

PROF. F.A. HAGAR

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$$
\text { AY81 F306 } 1933
$$



## Price 15 Cents

Blended To Suit Your TASTE

Priced To Suit Your POCKET
(1)

## Salada Brown Label <br> "A Revelation in Tea Value" <br> 30c 1/2 1b.

 Salada Red Label"America's Finest Tea"

45c$1 / 2$
1 l. NEW ENGLAND'S FAVORITE TEA

## TO PATRONS AND CORRESPONDENTS.

To our friends throughout New England we present the 141st edition of what has been said to be the most historical and revered and withal the most authentic American publication-THE OLD FARMER'S ALMANAC.

This is the largest edition of the Almanac ever published96 pages. Many valuable features have been added including the new Federal Income Tax Laws and the Agricultural Experiment Stations of New England.

For 1933 we wish for every one of our hundreds of thousands of subscribers and their families all health, happiness and prosperity in this little old world of ours, remembering the
words of our founder in 1793:
"It is by our works and not by our words we would be judged: these we hope will sustain us in the humble though proud station we have so long held.
(Continued on page 33)

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## EXPLANATIONS FOR CALENDAR PAGES.

The Calculations are made for the latitude and longitude of Boston and are in Eastern Standard Time, i. e., the time of the 75th meridian West from Greenwich, which is 16 minutes behind boston mean time; and for general purposes are sufficiently accurate for all parts of New England. If, however, greater accuracy is desired, regard may be had to the following precepts.

The Table given below contains corrections in minutes of time for a number of importaut places in New England, and any other place in New Englaud can use the correction of the place in the Table which is nearest in longitude to itself.

For the Rising and Setting of the Sum, Moon and Planets add tabular quantity if longitude from Boston is West, but subtract it if East; and this will give the value when the place is in or near the same latitude as Boston. When the latitude of the placediffers considerably from that of Boston, the correction will also be right when the celestial body is on or near the Equator; but when it is remote from the Equator so much accuracy cannot be expected.

For Sun Fast, subtract tabular quantity if longitude from Boston is West, but add it if East.

For Moon Souths, add tabular quantity if longitude from Boston is West, but snbtract it if East.


If during any part of the year 1933 there is in operation in any State or City of New England any of the so-called "daylight saving" laws or ordinances, proper allowance for that should be made in applying the figures of time given in the Almanac, which figures, as above stated, are all herein given in Eastern Standard Tïme.

The Times and Heights of the Tides at High Water are for the Port of Boston (Navy Yard). The times of High Water are given on the left hand Calendar pages under "Full Sea." The heights of High Water in feet and tenths are given among other data on the right hand Calendar pages under "Aspects," \&c. The heights are reckoned from Mean Low Water ; each day has a set of figures-many of them preceded by the word "Tides." The upper figures give the height of the morning (A.M.) tide, and the lower that of the evening (P.M.) tide.

## Names and Characters of the Principal Planets.



## Names and Characters of the Aspects.

of Conjunction, or in the same degree. $\square$ Quadrature, 90 degrees.
U. Dragon's Head, or Ascending Node.

8 Opposition, or 180 degrees.
Names and Characters of the Signs of the Zodiac.

1. © Aries, head.
2. 8 Taurus, neck.
3. $\square$ Gernini, arms.
4. $\mathrm{\sigma}$ Cancer, breast.
5. \& Leo, heart.
6. III Virgo, belly.
7. $\xlongequal{\sim}$ Libra, reins.
8. in Scorpio, secrets.
9. I Sagittarius, thighs.
10. Wo Capricornus, knees.
11. 范Aquarius, legs.
12. 广 Pisces, feet.

## Chronological Cycles for 1933.

Golden Number
Epact

15|Solar Cycle
3 Dominical Letter

10 Roman Indiction
A, Year of Julian Period 6646

## Movable Feasts and Fasts for 1933.

Septuagesima Sun., Feb. 12 Good Friday, Shrove Sunday, " 26 Easter Sunday, AshWednesday, Mar. 1 Low Sunday, $\begin{array}{lll}\text { AshWednesday, Mar. } & 1 & \text { Low Sunday, } \\ \text { 1st Sunday in Lent, " } & 23 & \text { Corpus Christi, } \\ \text { RogationSunday, May } 21 & 1 \text { stSunday in }\end{array}$ Palm Sunday,

Apr. 9 Ascension Day,

Apr. 14 Whit-Sunday,
" 16 Trinity Sunday,
" 25 Advent.

## ECLIPSES FOR THE YEAR 1933.

In the year 1933 there will be two Eclipses: both of the Sun, both annular, and neither visible in New England.
I. An Annular Eclipse of the Sun, February 24, 1933, invisible in New England. The Eclipse begins in the Republic of Argentina, in longitude $62^{\circ} 21^{\prime}$ west from Greenwich, latitude $34^{\circ} 56^{\prime}$ south, and ends in Egypt, in longitude $35^{\circ} 51^{\prime}$ east from Greenwich, latitude $19^{\circ} 0^{\prime}$ north. At its maximum, the annular phase of the Eclipse lasts 1 minute and 52 seconds.
II. An Annular Eclipse of the Sun, August 21, 1933, invisible in New England. The Eclipse begins in Arabia, in longitude $41^{\circ} 0^{\prime}$ east from Greenwich, latitude $28^{\circ} 26^{\prime}$ north, and ends in Australia, in longitude $134^{\circ} 21^{\prime}$ east from Greenwich, latitude $22^{\circ} 16^{\prime}$ south. At its maximum, the annular phase of the Eclipse lasts 2 minutes and 18 seconds.

## MORNING AND EVENING STARS, 1933.

Mercury will be most favorably seen as an Evening Star about March 6 , July 2, and October 28, on which dates it sets $1 \mathrm{~h} 35 \mathrm{~m}, 1 \mathrm{~h} 27 \mathrm{~m}$, and 0h 52 m , respectively, later than the Sun; and as a Morning Star about April 20, August 17, and December 6, on which dates it rises 0 h 49 m , 1 h 32 m , and 1 h 49 m , respectively, before the Sun.

Venus will be Morning Star until April 21, and then Evening Star the rest of the year.

Mars will be Morning Star until March 1, and then Evening Star the rest of the year.

Jupiter will be Morning Star until March 9, then Evening Star until September 27, and then Morning Star the rest of the year.

Saturn will be Evening Star until January 27, then Morning Star until August 5, and then Evening Star the rest of the year.

THE SEASONS, 1933.
Winter begins 1932, December 21, Sh.15m. P. m. - Sun enters Capricornus,
Spring " 1933, March 20, 8h.43m. P. m. " " Aries,
Summer " " " June 21, 4h.12m. P. m. " " Cancer,
Autumn "" " ${ }^{\text {" September 23, 7h. 1m. A. м. " " Libra, }}$
Winter ". " Decenber 22, 1 h .5 sin . A. м. ${ }^{2}$. ${ }^{\text {. }}$ Capricornus,

Length of Winter, $1932-1933,89$ days, 0 hours, 28 minutes.



EARTH IN PERIHELION AND APHELION, 1933.
January 3, 1933, 2h. P.M. Earth in Perihelion; distant from the Sun about 91,346,000 miles. July 2, 1933, 4h. P.M., Earth in Aphelion; distant from the Sun about $94,454,000$ miles.

VENUS, MARS, JUPITER AND SATURN, 1933.
Below are given the times of the rising or setting of the Planets named, on the first, eleventh and twenty-first days of each month. The time of the rising or setting of any one of said Planets between the days named may be found with sufficient accuracy by interpolation.

| 193 |  |  |  |  | SATURN |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |
| UAR | 11 th |  |  |  | ts |
|  | 21st |  |  |  |  |
| Feb'ary | , | es 559 | rises 752 P.m. | rises 812 P.m. | 50 |
|  | 11 th | 64 A.M. | 71 P.M. | " 728 P.M. |  |
|  | 21 st | 6 | " $65 \quad 5$ P.M. | 643 | 38 |
| ${ }_{6}$ | 1st | 556 | rises 517 | es 66 | rises $59 \mathrm{~A} . \mathrm{m}$. |
|  | 11th | 548 | sets 62 A.m. | sets 613 | 37 A.M. |
|  | 21st | 537 | " 513 | set | . |
|  | 1 | 522 | sets 422 A.m. | sets 445 A.M. | rises 317 A.m. |
|  | 11th | 512 | 3 | 43 A.m. | . |
|  | 21st | 5 | , | 322 | . |
|  | $1 \mathrm{st}$ | 654 |  | sets 241 A.m. | rises 124 A.m. |
|  | $11 \text { th }$ | 720 |  |  |  |
|  | 21st | 744 | 113 A.m. | 123 А.м. | . |
|  | 1 st | 88 | ¢ 038 | ts 041 A.m. | rises 1120 P.m. |
|  | 11 th |  | ‘ 04 | ". 03 A.M. | 10 P.M. |
|  | 21 st | 836 | 1134 | 1 | , 00 P.m. |
|  | 1st | 840 | sets 11 | sets 1046 Р.м. | rises 920 P.m. |
|  | 11th | 839 P | ، 1037 |  | . |
|  | 21st | 833 P | 1010 | 9 |  |
| GU | 1st | sets 821 | sets | . | ris |
| ، | 11 th | " 888 | - 916 | ". 820 P.M. | sets $423 \mathrm{~A} . \mathrm{m}$. |
|  | 21st | 754 P | 849 | 745 р.м. |  |
| TE | 11 | 737 | sets 8 | sets 766 р.м. | set |
|  | 11th | 723 | 8 | " 632 Р.м. | 11 A.m. |
|  | 21st | 710 | 739 | 00 | 29 |
| ctob | 1 st | 700 | sets 720 | . | set |
|  | 11 th | 654 | " 72 | 4 | 18 A.m. |
|  | 21st | 652 | 647 | ¢ | 1125 P.m. |
| Oven |  | 655 | sets 633 | rises $352 \mathrm{~A} . \mathrm{m}$. | sets 10 |
|  | 11th | 74 P | * 624 | " 323 A.m. | 106 Р.M. |
|  | 21 st | 716 | 617 | 256 A.m. | 929 P.m. |
| CEM |  | 728 | ts 611 | rises 226 A.m. | sets |
|  | 11th | 743 | 69 | " 155 A.m. |  |
|  | 21st | 744 | 69 | 123 A.m. |  |
| ' | 31 | 740 | 9 P | 050 A.m. | " $710 \mathrm{P} . \mathrm{M}$. |

## TIDE CORRECTIONS.

Both the times and heights of the Tides in the calendar are for the Port of Boston. The following table gives the approximate difference between Boston and the places named. If the hours and minutes opposite a place named in the table are preceded by a "+" sign, the time of high water at that place will be that much later than at Boston; if preceded by a" - "sign, high water will be that much earlier. This also applies to the heights of the tide. If the feet in the table opposite the place are preceded by a " + " sign, the height of high water at that place will be that much higher than the height at Boston; if preceded by a "-" sign, the height of high water will be that much lower than the height at Boston.

| Port | h.m. | eet |
| :---: | :---: | :---: |
| ugusta, Me. | 3 |  |
| angor, Me. | 017 | +8.5 |
| Bar Harbor, M | 041 | + 0.9 |
| Bath, Me. | +042 | -8.2 |
| Belfast, M | 026 | + 0.1 |
| Block Island, R | 85 | -6.6 |
| Booth bay Harbor, Me | 029 | -0.8 |
| Bridgeport, Conn. | 10 | . 4 |
| Bristol. R. I. | -3 25 | -5.6 |
| Camden, Me. ${ }^{\text {Chathan }}$ Lights, Mass. | - 27 | +0.0 +2.9 |
| Chathanl Lights, Mass. | 018 | -2.9 |
| Eastport, Me. | 086 | $+8.6$ |
| Edgartown, Mass. | 039 | 7.6 |
| Fall River, Mass. | 317 | -4.7 |
| Gloucester, Mass. | -016 | $-0.7$ |
| Greenport, L. I. | 59 | -7.2 |
| Hartford, Conn. | +354 | -8.8 |
| Fyannisport, Mass. | +045 | $-6.3$ |
| Nantucket, Ma | + 052 | 6.5 |
|  |  |  |


| Port | feet |
| :---: | :---: |
| New Bedford, Mass. . . . -8 81 | 5.6 |
| Newburyport, Mass. . . . + 011 | -1.8 |
| New Haven, Conu. . . . . -0 12 | -3.6 |
| New London, Conn. . . . - 158 | -- 7.1 |
| Newport, R. I. . ${ }^{\text {a }}$. . - 848 | $-6.1$ |
| New York, Gov. Island . - 812 | -6.2 |
| Plymouth, Mas8. . . . . - 008 | + 0.0 |
| Point Judith, R. I. . . . . -341 | . 5 |
| Portland, Me. . . . . . - 020 | $-0.7$ |
| Port Clyde, Me. . . . . . - 085 | 03 |
| Portsinouth, N. H. . . . . - 008 | -0.9 |
| Providence, R. I. . . . . . -314 | $-5.0$ |
| Provincetown, Mass. . . . 009 | -0.4 |
| Rockland, Me. . . . . . . - 028 | +0.1 |
| Salem, Mass. . . . . . - 012 | -0.6 |
| Sandwich,Mass. , . . . . 002 | -0.2 |
| Stamford, Conn. . . . . . -0 18 | $-2.3$ |
| Stonington, Conn. . . . . -225 | -6.9 |
| Vineyard llaven, Mass. . . +013 | - 7.9 |
| West Falmonth, Mass. ${ }^{\text {a }}$. -889 | -5.5 |
| Wood'silole, Fish Com.Whf. - 803 | - |




1933] FEBRUARY, Second Month.

## ASTRONOMICAL CALCULATIONS.

|  | Days | d. m. | Days. | d. | Days. | d. m. | Days. | d. m. | Days. | d. m. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\stackrel{\square}{3}$ | 1 | 17 s .05 | 7 | 1517 | 13 | 1320 | 19 | 1116 | 25 | 904 |
| $\stackrel{\square}{\rightrightarrows}$ | 2 | $16 \quad 48$ | 8 | 1459 | 14 | 1300 | 20 | 1054 | 26 | 842 |
| - | 3 | $16 \quad 30$ | 9 | 1439 | 15 | 1240 | 21 | 1032 | 27 | 819 |
| - | 4 | $16 \quad 13$ | 10 | 1420 | 16 | 1219 | 22 | 1011 | 28 | 757 |
| $\cdots$ | 5 | $15 \quad 54$ | 11 | 1400 | 17 | 1158 | 23 | 949 |  |  |
| $\bigcirc$ | 6 | $15 \quad 36$ | 12 | 1341 | 18 | 1137 | 24 | 927 |  |  |

D First Quarter, 2nd day, 8h. 16m., morning, E.
O Full Moon, 10th day, 8h. 0m., morning, W.
© Last Quarter, 17 th day, 9 h .8 m ., morning, W.
( New Moon, 24th day, 7h. 44m., morning, E.


. . . Came cold February, sitting
In an old wagon, for he could not ride, Dramn of two fishes, for the season fitting.

Which through the flood before did softly slide And swim away; yet had he by his side

His plough and harness fit to till the ground, And tools to prume the trees, before the pride

Of hasting Prime did make them bourgeon round.
EDIIUND SPENSER,
-"The Faerie Queene"

| $\begin{array}{c\|c} \dot{\#} \\ \dot{\Delta} & \dot{B} \\ \dot{B} \end{array}$ | $\begin{aligned} & \text { ys, Heights of } \\ & \text { er, etc. } \end{aligned}$ | Farmer's Calenda |
| :---: | :---: | :---: |
| $1{ }^{\text {W }} \mathrm{W}$ | \{ $8_{8.8}^{8.8}$ |  |
| 2 Th | Purification of Virgin Mary. Tides $\left\{\begin{array}{l}8.6 \\ 7.5\end{array}\right.$ | ns should not have ice |
| 3 Fr . | $\mathbb{C}$ in Apogee. ${ }^{\text {¢ }} 8.4$ Blustering | They should be cooled either |
| 4 Sa . | Tides $\left\{_{\substack{\text { s, } \\ 7,0}}^{\text {a }}\right.$, winds, | by setting them on a bed of ice |
| 5 A |  | or by llacing in the refriger- ator. If they are wrapped in |
| 6 M. | Tides $\left\{\begin{array}{l}8.5 \\ \hline 8.2\end{array}\right.$ snow flurries. | wax paper the odor and taste |
| 7 Tu. |  | will not permeate other foods. |
| 8 W. | Contederate States of $A$ merica form provisional government, 1861. $\left\{\begin{array}{l}9.1 \\ 7.9\end{array}\right.$ | When two glass vessels get uck together, so that there is |
| Th. | Naval engagentent between, Con:- stellation and Insurgent. 1799. | stuck together, so that thete is danger of breaking them in get- |
| 10 Fr. |  | ting them apart, put cold water |
| 11 Sa . | $\left[12{ }^{\text {th. }} \delta \psi \mathbb{C}\right.$ | in the inner one, and hold the |
|  |  | ill find that they wil |
| 131 | Tides $\left\{9.5{ }^{9.5}\right.$ Warmer, | parate at once. |
| 14 Tu | Valentine. of of h2. $\begin{aligned} & 9.8 \\ & 9.6 \\ & \text { rain }\end{aligned}$ | When the ellows of chil- |
| 15 W. | $\delta^{3}$ in Aphelion. $\left\{\begin{array}{l}9.9 \\ 9.2\end{array}\right.$ or snow. | thin, if the sleeves are care- |
| 16 Th |  | fully ripped out at the shoulders and the sleeves changed, |
| Fr |  | the right one to the left arm |
| S | $\mathbb{C}$ in Per. Tides $\left\{_{8,0}^{9.0}\right.$ Weather | and vice versa, the worn part |
| A |  | wiloow and make the sleeves |
| 20 M . |  | wear just twice as long. |
| 21 T |  | To improve the flavor of |
| 22 W |  | your meat g water in wh |
| 23 | ¢ $\mathbb{C}$. Tldes $\left\{\begin{array}{l}10.2 \\ 9.3\end{array}\right.$ | have beem loiled. If the water |
| 24 Fr |  | contains salt, your gravy will |
| 25 Sa | $\mathbb{C}_{\text {Ea. }}^{\text {on }}$ ¢ ¢ ¢ $\mathbb{C} . \quad\{10.2$ Expect | need to be salted again. unusual yet very effective |
| 26 A |  | use for kitchen shears is in |
| 27 M . | $8 \Psi \odot$. Tides $\left\{_{9.6}^{9.7}\right.$ or sleet. | shredding lettuce for salads. |
| 28 Tu . | Shrabe Cuts. ó - ¢ ¢ | leaves cau be served shredded. |

ASTRONOMICAL CAUCULATIONS.

|  | Days. | d. m. | Days. | d. | Days. | d. | m. | Days. | d. m. | Days. | d. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $8$ | 1 | 7 s .34 | 7 | 515 | 13 | 2 | 54 | 19 | $0 \quad 32$ | 25 | 150 |
|  | 2 | $7 \quad 11$ | 8 | 452 | 14 | 2 | 31 | 20 | 0s. 9 | 26 | 213 |
| $\overline{3}$ | 3 | $6 \quad 48$ | 9 | 429 | 15 | 2 | 07 | 21 | 0N. 15 | 27 | 237 |
| $\bigcirc$ | 4 | 625 | 10 | 405 | 16 | 1 |  | 22 | 0 | 28 | 300 |
| $\infty$ | 5 | $6 \quad 02$ | 11 | 342 | 17 | 1 | 20 | 23 | $1 \quad 02$ | 29 | 324 |
| $\bigcirc$ | 6 | $5 \quad 39$ | 12 | 318 | 18 | 0 | 56 | 24 | 126 | 30 | 347 |

D First Quarter, 4th day, 5h. 23m., morning, W.
O Full Moon, 11th day, 9h. 46m., evening, E.
© Last Quarter, 18th day, 4h. 5m., evening, W.
New Moon, 25 th day, 10h. 20m., evening, IV.

|  | $e_{1}$ |  | h. m. m. m. |  |  | $\left.\begin{gathered} \text { cull Sea, } \\ \text { soston } \\ \text { ont } \\ \text { Even } \\ \text { h. } \end{gathered} \right\rvert\,$ | $\left.\right\|_{\mathrm{Pl} / \mathrm{a}} ^{D}$ |  | $\begin{aligned} & \text { uths. } \\ & \text { mis } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1 WV .6 | 620534 | 41114210 |  | $2 \frac{1}{4}$ | $2 \frac{1}{4} 2 \frac{3}{4}$ | Tau | 1121 |  |
|  | 2 Th | 195 | 1116212 |  | 6 | $3 \frac{1}{2}$ | Tau |  |  |
|  |  |  | 61119215 |  | $3 \frac{3}{4}$ | 3 $4 \frac{1}{4}$ | m | 025 |  |
|  | 4 Sa. | 16537 | 71121217 | , | $4 \frac{1}{2}$ | $\frac{1}{2} 5^{\frac{1}{4}}$ |  | 1 |  |
|  | 5 S | 614539 | 91125221 |  | $5 \frac{1}{2}$ | $\frac{1}{2} 6 \frac{1}{4} \mathrm{C}$ |  | 22 | 701 |
|  | 6 M. | 125 | 0112824 | 410 | $6 \frac{1}{2}$ | $\frac{1}{2} 7$ | C | 3 |  |
|  | 7 Tu | 115 | 1130226 |  | 4 | 4. | C | 3 |  |
|  | 8 W. | 9542 | 21133229 | 51 | $8 \frac{1}{4}$ | ${ }_{\frac{1}{4}} 8 \frac{3}{4} \mathrm{~L}$ | L | 429 | 935 |
|  | 9 Th | 75 | 31136232 | 513 | 9 |  |  |  | 1023 |
|  | 10 Fr. | 6544 | 41138234 |  |  | $\frac{3}{4} 10 \frac{1}{4}$ |  |  |  |
|  | 11 S | 4546 | 61142238 |  | $10 \frac{1}{2}$ | $\frac{1}{2} 11$ | Vir | ris | 11 |
|  | 12 S | 2547 | 71145241 | 616 | $611 \frac{1}{4}$ | $\frac{1}{4} 11 \frac{1}{2}$ | Vir | 64 |  |
|  | 13 M. | $6 \quad 0548$ | 81148244 | 61 |  |  |  | 801 |  |
|  | 14 Tu | 559549 | ¢0 | 618 | $0 \frac{1}{4}$ | $\frac{1}{4} 0 \frac{3}{4} \mathrm{~L}$ |  | 9 |  |
|  | 16 |  | 1153249 | \%19 | , |  | co 1 | 1040 | 225 |
|  | 16 Th | - | 1156252 | 720 | $1 \frac{3}{4}$ | $\frac{3}{4} \quad 2 \frac{1}{2}$ S | So | 11 |  |
|  | 17 Fr . | 5355 | 3120256 | 721 | $2 \frac{3}{4}$ | $\frac{3}{4} 3 \frac{1}{4}$ |  |  | 421 |
|  | 18 Sa | 52554 | $412 \quad 2258$ | 822 | $3 \frac{3}{4}$ | $4 \frac{1}{4}$ |  | 110 |  |
|  | 19 S | 50555 | 5125 | 823 | $4 \frac{3}{4}$ | $\frac{3}{4} 5 \frac{1}{2}$ | Cap | 21 |  |
|  | 20 M |  | 1283 | 2 | 5 |  | Ca | 3 | 726 |
|  | 21 Tu | 7557 | 712103 | 825 | T |  |  | 34 | 822 |
|  | 22 W. | 545558 | S12133 | 9 |  |  |  | 4. |  |
|  | 23 Th | 54360 | 01217313 |  | 9 |  | Psc |  |  |
|  | 24 Fr . | 5416 | 1220316 | 928 |  | ${ }_{3} 10 \frac{1}{4} \mathrm{P}$ |  | 4 |  |
|  | 25 Sa . | 5406 | 12223 |  | $1{ }^{1}$ |  |  |  | 11 |
|  | 26 S | 5386 | 12253 |  | $111 \frac{1}{2}$ | $11 \frac{3}{4}$ A |  |  |  |
|  | 27 M . | 5366 | 112 |  |  |  | Ar | 80 | 052 |
| 87 | 28 Tu. | 5346 | 12313 |  | $0 \frac{1}{4}$ |  | Ta | 90 |  |
| 88 | 29 W. | 5336 | $\dagger 12333$ |  |  |  |  | 11 | 222 |
|  | 30 Tht. | 5316 | , |  |  |  |  |  |  |
|  | 31 Fr | 5296 9 | 912403361 |  | $2 \frac{1}{4}$ |  |  |  | 4 |



## ASTRONOMICAL CALCULATIONS.

| $\dot{\square}$ | Days. | d. m. | Days. |  |  | Days. | d. m. | Days. | d. m. | Days. | d. m. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| - | 1 | 4N.33 | 7 |  |  | 13 | 94 | 19 | 1111 | 25 | 1312 |
| . | 2 | 458 | 8 |  | 13 | 14 | 925 | 20 | 1132 | 26 | 1332 |
| - | 3 | $5 \quad 20$ | 9 | 7 | 35 | 15 | 947 | 21 | 1152 | 27 | 1351 |
| ® | 4 | 542 | 10 | 7 | 58 | 16 | 108 | 22 | 1213 | 28 | 1410 |
| $\cdots$ | 5 | 605 | 11 |  | 20 | 17 | 1029 | 23 | 1233 | 29 | 1429 |
| $\bigcirc$ | 6 | 628 | 12 | 8 | 42 | 18 | 1050 | 24 | 1252 | 30 | 1447 |

D First Quarter, 3rd day, 0h. 56 m ., morning, W.
O Full Moon, 10th day, 8h. 38m., morning, W.
© Last Quarter, 16 th day, $11 \mathrm{~h}, 17 \mathrm{~m}$., evening, E.

- New Moon, 24th day, 1h. 38m., evening, W.



ASTRONOMICAL CALCULATIONS.

|  | Days. | d. m. | Days. | d. m. | Days. | d. m. | Days. | d. m. | Days. | d. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\underset{\sim}{x}$ | 1 | 15 N 5 | 7 | 1650 | 13 | 1824 | 19 | 1947 | 25 | 2058 |
|  | 2 | $15 \quad 23$ | 8 | 176 | 14 | 1838 | 20 | 1959 | 26 | 218 |
|  | 3 | 150 | 9 | 1722 | 15 | 1853 | 21 | 2012 | 27 | 2118 |
| ® | 4 | $15 \quad 59$ | 10 | 1738 | 16 | 197 | 22 | 2024 | 28 | 2128 |
|  | 5 | 1616 | 11 | 1753 | 17 | 1920 | 23 | 2035 | 29 | 2138 |
| 6 | 6 | 16 3\% | 12 | $\begin{array}{lll}18 & 9\end{array}$ | 18 | 1934 | 24 | 2047 | 30 | 2147 |

D First Quarter, 2nd day, 5h. 39m., evening, E.
O Full Moon, 9th day, 5h. 4m., evening, E.
© Last Quarter, 16 th day, $7 \mathrm{~h} .50 \mathrm{~m} .$, morning, W.

- New Moon, 24th day, 5h. 7 m. , morning, E.



| 122 | 2 Tu. 4 | 39 | 64414 | 55 | 119 | 8 | $4 \frac{1}{4}$ | $4 \frac{3}{4}$ | Leo | 0 | 57 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | 604




$\begin{array}{llllllllll}\text { I2 } 6 & 6 & \text { Sa. } 43364914165121912 & 7 \frac{3}{4} & 8 \frac{1}{4} \mathrm{Lib} & 231 & 9 & 08 \\ \text { 2 }\end{array}$

128 8 8 M. $431651142051619149 \frac{1}{2} 93 \frac{3}{4}$ Sco 3181052
I29 9 Tu. 430652142251819 O $10 \frac{1}{2} 10 \frac{3}{4}$ Sco rises 1151 I3010 W. $4296531424520191611 \frac{1}{4} 11 \frac{1}{2}$ Sgr 833 morn i3 1 11 Th. 42765414275231917 - $0 \frac{1}{4} \operatorname{Sgr} 948056$ I 3212 Fr. 42665514295252018 01 $\frac{1}{4}$ 1 Cap 1051203 $\left.{ }^{\text {r }} 3313 \mathrm{Sa} .\left|425656143152720191 \frac{1}{4}\right| 2 \right\rvert\, C a p 1139308$ I 3414 S_ $424657143352920202 \frac{1}{4} 3$ Aqr morn 410
 ${ }^{\text {I }} 3616$ Tu. $422659143753320224 \frac{1}{4}$ 5

 I39 19 Fr. $4197 \quad 214435391925 \quad 7 \frac{1}{2} 88$ Ari 149807


 I $4323 \mathrm{Tu}, 416761450546192910 \frac{1}{2} 10 \frac{3}{4}$ Tau 3191101 I $4424 \mathrm{~W} .4157 \quad 7145254819 \cdot 11 \frac{1}{4} 11 \frac{1}{4} \mathrm{G}$ 'm sets 1150 I 4525 Th. 41478145455019 1113 14626 Fr. $4147 \quad 9145555119$ 2 0 0 $0 \frac{1}{2}$ G'm 942132 ${ }_{1} 4727 \mathrm{Sa} .413710145755319$ O $4 \frac{1}{2} 1 \frac{1}{4}$ Cnc 1023223
 I $4929 \mathrm{M} .412712150556195_{2} 42 \frac{3}{4}$ Leo 1126400 ${ }^{1} 5030$ Tu. $41171315 \quad 255818 \quad 6 \quad 2 \frac{3}{4} \quad 3 \frac{1}{2}$ Leo 1151


When the south wind, in May days, With a net of shining haze Silvers the horizon wall, And, with softness touching all, Tints the human countenance With a color of romance,

And, infusing subtle heats, Turns the sod to violets, Thou, in sumny solitudes, Rover of the underwoods, The green silence dost displace With thy mellow, breezy bass. HENRY WADSWORTH LONGFELLOW.

| $\dot{A}$ | Aspects, Holidays, Heights of |
| :---: | :---: | :---: |
| $\dot{A}$ | High Water, etc. |

1 M. |St. Philip \& St. James,
2 Tu.
Columbus discovered island of Jamaica, 1494. Alliance, 1915
4 Th.
5 Fr.
6 Sa .
${ }^{7}$ A
8 M.
9 Tu.
10 W.
11 Th.
12 Fr.
13 Sa .
14 A
15 M .
16 Tu.
17 W.
18 Th .
19 Fr .
20 Sa .
21 A
22 M.
23 Tu .
24 W .
25 Th .
26 Fr .
27 Sa .
28 A
29 A.
30 Tu.
31,W.

## $\succcurlyeq$ in Perihelion.

Tides $\left\{\begin{array}{l}8.8 \\ 8.3\end{array}\right.$
Tides 9.0 hunting lands, and the landTider $8_{8.1}$ owners' association daily-fee |shooting grounds.

## ASTRONOMICAL CALCULATIONS.



D First Quarter, 1st day, 6h. $53 \mathrm{~m} .$, morning, E.
○ Full Moon, 8th day, 0h. 5m., morning, W.
© Last Quarter, 14th day, 6h. 26m., evening, E.

- New Moon, 22nd day, 8h. 22m., evening, W.

D First Quarter, 30th day, 4h. 40 m ., evening, E.

|  |  | $\begin{array}{l\|l} \text { Lengit } & \text { Day's } \\ \text { of thays. } & \text { Iner. } \\ \text { m. } \\ \text { m. } & \text { h. } \\ \hline \end{array}$ |  | $\begin{array}{l\|l} \text { ea. } & \text { D's } \\ \text { on. } & \text { Den } \\ \text { Enen } & \text { Place } \end{array}$ | $\mathrm{s} \underset{\mathrm{e} \text { Sets. }}{\mathrm{D} .}$ | $\underset{\substack{\text { Souths. } \\ \text { h. } \\ \text { h. }}}{ }$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $1{ }^{\text {r }}$ Th. 4107141 | $\begin{array}{llll}15 & 46 & 0 & 18\end{array}$ | $84 \frac{1}{2}$ | 5 Vir | 0 12 | 613 |
|  | 2 Fr. 4107151 | $\begin{array}{lll}15 & 5 & 1\end{array}$ | $95 \frac{1}{4}$ | 6 Vir | 033 | 658 |
|  | 3 Sa. 497161 | $15 \quad 76318$ | $10 \quad 6 \frac{1}{4}$ | $6 \frac{3}{4} \mathrm{Lib}$ | 054 | 745 |
|  | $4 \mathrm{~S}_{-4} 4 \mathrm{~T}^{7} 161$ | $15 \quad 76318$ | $11{ }^{7} \frac{1}{4}$ | $7 \frac{3}{4}$ Lib | 116 | 837 |
|  | 5 M. 4887171 | $\begin{array}{llll}15 & 9 & 6 & 5 \\ 17\end{array}$ | 1288 | $8 \frac{1}{2}$ Sco | 143 | 9.32 |
|  | 6 Tu. $4 \quad 87181$ | 15106617 | $13 \quad 9 \frac{1}{4}$ | $9 \frac{1}{2}$ Sco | 21 | 1033 |
|  | 7 W .4878181 | $15106 \quad 617$ | 1410 | $10 \frac{1}{4} \mathrm{Sgr}$ | 300 | 1140 |
|  | 8 Th. $4 \quad 77191$ | 15126817 | O 11 | 111 $\frac{1}{4} \mathrm{Sgr}$ | rises | morn |
| I 6 | 9 Fr. 477201 | $\begin{array}{llll}15 & 136 & 9 & 17\end{array}$ | 16 | 0 Cap | 929 | 048 |
|  | 10 Sa. 477201 | $15136 \quad 917$ | 170 | $0 \frac{3}{4}$ Cap | 1012 | 154 |
|  | $11 \mathrm{~S} 4 \quad 7721$ |  | 81 | 13 $\frac{3}{4}$ Aqr | 1046 | 254 |
|  | 12 M. 4 T72115 | 151461016 | 9 2 | $2 \frac{3}{4}$ Aqr | 1112 | 349 |
|  | 13 Tu .475221 | 151561116 | O 3 | $3 \frac{1}{2}$ Psc | 1134 | 438 |
|  | 14 W .4 ¢ 7221 | 151561116 | 214 | $4 \frac{1}{2}$ Psc | 1154 | 523 |
|  | 15 Th .477231 | 151661216 | 225 | $5 \frac{1}{2}$ Ari | morı | 606 |
|  | 16 Fr .4 7.7231 | 151661215 | 236 | $6 \frac{1}{2}$ Ari | 014 | 648 |
|  | 17 Sa .477231 | 151661215 | 4 | $7 \frac{1}{4}$ Ari | 0.34 | 730 |
|  | $18 \mathrm{~S}_{-} 4$ ¢ $24^{1}$ | 151761315 | $25 \quad 73$ | $8^{4}$ Tau | 056 | 813 |
|  | 19 M. 4 7 7.7241 | 151761315 | 2688 | 83 ${ }_{4}$ Tau | 122 | 859 |
|  | 20 Tu. 4.7241 | 151761314 | $27 \quad 9 \frac{1}{2}$ | $9 \frac{1}{2} \mathrm{G}$ 'm | 153 | 947 |
|  | 21 W .4 .7241 | 151761314 | $2810^{2}$ | $10 \frac{1}{4} \mathrm{G}$ 'm | 231 | 1037 |
|  | 22 Th .4 ヶъ25 | 1518 Dec. 14 | - $10 \frac{2}{4}$ | $10 \frac{4}{4}$ G'm | sets | 1128 |
|  | 23 Fr .4887251 | 15170 | $11 \frac{1}{2}$ | $11 \frac{1}{2} \mathrm{Cnc}$ | 823 | 017 |
|  | 24 Sa .4887251 | 151700114 | - | $0 \frac{1}{4} \mathrm{Cnc}$ | 359 | 109 |
| 17 | 25 S-4 87251 | $15170 \quad 113$ | $0 \frac{1}{4}$ | $0 \frac{3}{4}$ Leo | 929 | 157 |
| 177 | 26 M. $4 \quad 97251$ | $15160 \quad 213$ | 1 | 1 $1 \frac{1}{2}$ Leo | 955 | 243 |
| 178 | 27 Tu. 407625 | $\begin{array}{llll}15 & 160 & 213\end{array}$ | $5 \quad 1$1 | $2+$ Leo 1 | 1017 | 328 |
|  | 28 W. 497251 | $15160 \quad 213$ | $62 \frac{1}{4}$ | $2 \frac{3}{4}$ Vir 1 | 1037 | 411 |
|  | 29 Th. 4107251 | 15150 | $73^{4}$ | $3 \frac{3}{4}$ Vir | 1057 | 454 |
| 181 | 30 Fr .4107251 | $15150 \quad 312$ | S 4 | $4 \frac{1}{2} \mathrm{Lib}$ | 1119 | 539 |



## 1933] JULY, Seventh Month.

ASTRONOMICAL CALCULATIONS.


O Full Moon, 7th day, 6h. 51m., morning, W.
© Last Quarter, 14th day, 7h. 24m., morning, W.

- New Moon, 22nd day, 11h. 3m., morning, E.

D First Quarter, 29th day, 11h. 44 m ., evening, W.

 $1832 \mathrm{~S}-41272515130 \quad 51210$ 53 $6 \frac{1}{4}$ Sco morn 718


 1876 Th. 41472415100 81114 9 93 10 Cap 2391132 $188 \quad 7 \mathrm{Fr} .41472315 \quad 90 \quad 911 \bigcirc 10 \frac{3}{4} 11 \quad$ Cap rises morn 189 88 Sa. $415723158010111611 \frac{3}{4}-A$ Aqr 8411036


 193 $12 \mathrm{~W} .41872115301510 \left\lvert\, 20 \quad 2 \frac{1}{2} \quad 3 \frac{1}{4}\right.$ Psc 1017400 194 $13 \mid$ Th. $41972115 \quad 20161021 \quad 3 \frac{1}{2}|4| A$ Ari $1037 \mid 444$ 19514 Fr. $41972015 \quad 10171022$ 4 4 19615 Sa. 42071914590191023 5 $5 \frac{1}{4} ~ 5 \frac{3}{4}$ Tau 1124610 19716S-42171914580 201024 6 6 直 $6 \frac{1}{2}$ Tau1153 655 r98 17 M. $42271814560221025 \quad 7 \frac{1}{4}$ 7 $7 \frac{1}{2}$ G'm morn 743
 20019 W. 42471714530251027969 G'm 112923 201 20 Th. $42471614520261028 ~ 9 \frac{3}{4} ~ 9 \frac{3}{4}$ Cnc 2031014 20221 Fr. $4257151450028102910 \frac{1}{2} 101$ Cne 3021105 20322 Sa .42671414480309011 11血 Cnc sets 1154
 20524 M. 4287121444034 9 2 20625 Tu. 4297111442036 9 $30^{2} \frac{1}{2} 1$ Vir 843210


 2 Io 29 Sa. $4337 \quad 71434044$ $21130 \underset{\mathrm{~S}}{2} 4347 \quad 61432046$



ASTRONONICAL CALCULATIONS.

|  | Days. | d. m. | Days. | d. m. | Days. | d. m. | Days. | d. m. | Days. | d. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $9$ | 1 | 18N. 2 | 7 | 1626 | 13 | 1441 | 19 | 1247 | 25 | 1046 |
|  | 2 | 1746 | 8 | 169 | 14 | 1422 | 20 | 1227 | 26 | 1025 |
|  | 3 | 17 31 | 9 | 1552 | 15 | $14 \quad 4$ | 21 | 127 | 27 | 104 |
|  | 4 | 17 16 | 10 | 1534 | 16 | 1345 | 22 | 1147 | 28 | 943 |
|  | 5 | $16 \quad 59$ | 11 | 1517 | 17 | 1326 | 23 | 1127 | 29 | 922 |
| ) | 6 | 16 42 | 12 | 1459 | 18 | 136 | 24 | 116 | 30 | 900 |

O Full Moon, 5th day, 2h. 32m., evening, E.
© Last Quarter, 12 th day, 10 h. 49 m ., evening, E.

- New Moon, 21st day, 0h. 48m., morning, E.

D First Quarter, 28th day, 5h. 13 m ., morning, W.


| AUGUST hath 31 days. |  |  |  |
| :---: | :---: | :---: | :---: |
|  |  |  |  |
| Sing nie a song of idle daysWhen golden langour is on the ways, When golden langour is on the Among red corn the reaper bends, And farther the faint line of the sea Lies blue, to mind us our land is free! Sing me a song of idle days When Lore dreams in a golden haze. |  |  |  |
|  | $0$ | cts, Holidays, Height High Water, etc. | er's Calend |
|  | Tu. | Lammas Day. <br>  ©inPeri. $69 \%$. $\left\{\begin{array}{l}8.7 \\ 10.7 \\ \text { Southerly }\end{array}\right\}$ | Farmer's Rights Regarding $\begin{gathered}\text { Aviation }\end{gathered}$ The ability of the law to deal |
|  |  |  |  |
|  | Th |  |  |
|  |  |  | with new problems has again been demonstrated in the field |
|  | Sa. |  | - ${ }^{\text {of aviation. Since the dawn of }}$ |
|  |  | 8tf S. af. $\mathbb{T}$. Transiiguration, $\left\{\begin{array}{l}9.8 \\ 11.1\end{array}\right.$ | our common (English) law the courts have jealously guarded |
|  |  | D'Iberville arriv'd at Penobscot.1698. $\left\{\frac{1}{2}\right\}$ | courts have jealously guarded the right of the landowner |
|  | Tu. | Capture of Ft. Wm. Henry resulled. 10.0 $\mathbb{C}$ on Equator. Tides $\left\{\begin{array}{l}10.9 \\ 10.1\end{array}\right.$ | against trespassers. It has |
|  | W. |  |  |
|  |  | St, Laurence. $\left\{_{9.7} \mathrm{~S}^{8}\right.$ Refreshing | the ground, by tunnelling |
|  | 1 Fr. |  | under the gronnd or by in- |
|  | Sa. |  | vading the air slace above the ground. This was on the prin- |
|  | A | 9th $\mathscr{S}$. after ©rinity. Tides $\left\{\begin{array}{c}7.8 \\ 8.7\end{array}\right.$ | ground. ciple that "he who on the prin- |
|  |  |  | earth owns down to the center ${ }^{\text {end }}$ and up to the skies"-a sort of |
|  |  |  | and up to the skies -arthly and |
|  |  |  | celestial pie. On this theory the |
|  |  |  | following have been held tres- |
|  |  |  | passers-shooting a projectile over land, stringing a wire |
|  |  |  | over land, building so that |
|  |  |  | eaves projected over the adjoining land. |
|  | 1 M . |  | Jotinn development of the air- |
|  |  | d $\Psi \mathbb{C}$. Tides $\underline{Y}^{9.8}{ }^{-8}$ signs of | plane has raised a problem, for |
|  |  |  | the strict application of the above-mentioned principle |
|  |  | St, Bartholomew, Tides $9_{9.9}^{9.9}$ | wrould make every inch of the |
|  |  |  |  |
|  |  |  | make flying impossible. The ability of our law to retain the |
|  |  | Ulty む.af. ©rín. $\left\{_{10.0}^{9.0}\right.$ weather. | heart of the theory and still |
|  |  |  | atone for the progress of civilization is shown by the uni |
|  |  |  | ization is shown by the uni- form tendency of the courts to |
|  |  |  | hold that ilying at certain |
|  |  | $\mathbb{C}$ in Perigee. Tides $\left\{_{10}\right.$ | Continued on |

## ASTRONOMICAL CALCULATIONS.



O Full Moon, 4th day, 0h. 4m., morning, W.
© Last Quarter, 11 th day, 4 h .30 m ., evening, W.

- New Moon, 19th day, 1h. $21 \mathrm{~m} .$, evening, W.

D First Quarter, 26th day, 10h. 36m., morning, E.


245 2 Sa. $51061713 \quad 72111612 \quad 9 \frac{1}{4} 99 \frac{3}{4}$ Aqr 3031052
246 3 S. $51161513 \quad 4214161310 \frac{1}{4} 10 \frac{1}{2}$ Psc 4201141
247 4 M. $51261413 \quad 221617$ O 11 11䨤 Psc rises morn
2485 Tu. $5136121259219171511 \frac{3}{4}$ - - Ari 642027
249 6 W. 51461012562221716
2507 Th .5156

252 9 Sa. 55176
$25310 \mathrm{~S}_{-} 5186 \quad 312452331920 \quad 3 \frac{1}{4} \quad 3 \frac{1}{2}$ G'm 902418
 $25512 \mathrm{Tu} .5206012402381922 \quad 5 \quad 5 \frac{1}{4}$ G'm $1040 \quad 559$
 25714 Th .52355612332452024 63 ${ }_{2}{ }^{2} 7$ Cnc morn 741

 26017 S. $52655112254532127 \left\lvert\, 9 \frac{1}{4}\right.$ 91 26 r 18 M. 5275491222256222810 10 10 Vir 4061046 26219 Tu. $\left.528548122025822 \cdot 10 \frac{1}{2} 11 \right\rvert\,$ Vir $\mid$ sets 1131 26320 W. 52954612173122 111 $\frac{1}{4} 11 \frac{3}{4} \mathrm{Lib}$ $556 \quad 016$




 26926 Tu. 53553512031824

 27229 Fr. $\begin{array}{llllllllllllllll}5 & 39 & 5 & 3011513 & 2725 & 10 & 7 & 7 \frac{1}{2} & \mathrm{Aqr} & 0 & 47 & 8 & 45\end{array}$


SEPTEMBER hath 30 days.


The jay screams through the chestnut wood;
The crisped and yellow leaves around
Are hue and texture of my mood-
And these rough burrs my heirlooms on the ground.
HENRY D. THOREAU


ASTRONOMICAL CALCULATIONS.

|  | Days. | d. m. | Days | d. m. | Days. | d. m. | Days. | d. m. | Days. | d. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \% | 1 | 3s. 12 | 7 | 531 | 13 | 747 | 19 | 1000 | 25 | 1207 |
| 呩 | 2 | $3 \quad 35$ | 8 | $5 \quad 54$ | 14 | 810 | 20 | 1021 | 26 | 1228 |
| $\cdots$ | 3 | 358 | 9 | 617 | 15 | 832 | 21 | 1043 | 27 | 1248 |
| ® | 4 | $4 \quad 22$ | 10 | 639 | 16 | 854 | 22 | 1104 | 28 | 1308 |
| $\cdots$ | 5 | $4 \quad 45$ | 11 | 702 | 17 | 916 | 23 | 1125 | 29 | 1328 |
| \% | 6 | 508 | 12 | 725 | 18 | 938 | 24 | 1146 | 30 | 1348 |

O Full Moon, 3rd day, 0h. 8m., evening, E.
© Last Quarter, 11th day, 11h. $46 \mathrm{~m} .$, morning, W.

- New Moon, 19th day, 0h. 45 m. , morning, E.

D First Quarter, 25th day, 5h. 21 m ., evening, E.

 275 2M. 54252511433352613 93 $10 \frac{1}{4}$ Psc $4^{271104}$ 276 TTu. 543523114033827 O $10 \frac{1}{2} 11$ Ari rises 1149 2774 W. $5445211137341271511 \frac{1}{4} 11 \frac{3}{4}$ Ari 529 moru 278 5Th. 54551911343442716 - 0 Tau 554034 279 6 Fr. 54651711313472817 01 ${ }^{\frac{1}{2}} 0 \frac{3}{4}$ Tau 623121 $280 \quad 7 \mathrm{Sa} .54751611293492818$ 1亩 $1 \frac{1}{4}$ G'm 658209

 28310 Tu. $\left.551511112035829213_{3}^{2} \frac{1}{3} 3 \frac{1}{2} \mathrm{Cnc} 927 \right\rvert\, 442$ $28411 \mathrm{~W} .5525 \quad 911174129224_{4}^{4} \left\lvert\, 4 \frac{1}{2}\right.$ Cnc 1029532 28512 Th. $5535 \quad 81115432923 \quad 5 \frac{1}{4} \quad 5 \frac{1}{2}$ Cnc 1133621 28613 Fr. $554561112462924 \quad 6 \frac{1}{4} \quad 6 \frac{1}{2}$ Leo morn 708

 28916 M. $55585111 \quad 341530278_{\frac{1}{2}}^{5} 96$ Vir 255922 $29017 \mathrm{Tu} .5595 \quad 011141730289_{1}^{\frac{1}{4}} 9_{4}^{3} \mathrm{Lib} 4051007$ $29 \mathrm{I} 18 \mathrm{~W} .604581058420312910{ }^{2} 10 \frac{1}{2} \mathrm{Lib}$ 29219 Th. $6 \quad 1457105642231$ - $10 \frac{3}{4} 11 \frac{1}{4}$ Sco 5181055 29320 Fr. $6 \quad 24551053425311$ 29421 Sa. $6 \quad 4454105042831$, 2 29522 S_6 5452104743131 29623 M. $6 \quad 6451104543331$ 29724 Tu. $6 \quad 7449104243631$ 29825 W. $6 \quad 9448103943932$. 29926 Th. 610446103644232 30027 Fr. 6114451034444328 3от 28 Sa. 6124431031447329 30229 S. 61344210294493210 30330 M. 61444110274513211 30431 Tu .61644010244543212

| 111 $\frac{1}{2}$ - | Sco | 523 | 042 |
| :---: | :---: | :---: | :---: |
| $0 \quad 0 \frac{1}{4}$ | Sgr | 607 | 142 |
| $0 \frac{3}{4} 1$ | Sgr | 701 | 245 |
| $1 \frac{3}{4} 2$ | Cap | 807 | 350 |
| $2 \frac{1}{2} 3$ | Cap | 920 | 451 |
| $3 \frac{1}{2} 4$ | Cap | 1037 | 549 |
| $4 \frac{3}{4} 5$ | Aqr | 1153 | 642 |
| $5 \frac{3}{4} \quad 6 \frac{1}{4}$ | Aqr | morn | 731 |
| $6 \frac{3}{4} \quad 7$ | Psc | 105 | 817 |
| $7 \frac{3}{4} 8$ | Psc | 215 | 901 |
| $8{ }^{3} 9$ | Ari | 323 | 944 |
| $9 \frac{1}{2} \cdot 10$ | Ari | 431 | 1029 |



Far in a sheltered nook,
I've met, in these caln days, a smiling flower,
A lonely aster, trembling by a brook,
At noon's warm quiet hour.
And something told my mind
That should old age to childhood call me back,
Some sunny days and flowers I still might find Along life's weary track.

JOHN HOWARD BRYANT.


Farmer's Calendar.

## Leafy Covering Keeps "Pores" of Soil Open.

Leaves covering the ground not only hold a large amount of rainfall themselves, but they keep the "pores" of the soil open and allow it to absorb much more moisture than land not so covered, according to soil erosion specialists of the United States Department of Agriculture.

In Oklahoma an experiment is in progress to discover how much water the leafy covering in wooded land holds. Measurements showed that the amount of water held on the land was much more than the leaves could hold. The investigators found that the leaves filter the water, kcep it. clear and let it soak into the soil through the many cracks and holes. Where there is no leafy covering to filter the water, silt fills these pores and more water then runs off the land, carrying eroded soil.

Two wooded plots of equal size were observed. One was left in the natural state, the other had the lcafy covering burned off with a blow torch. A special device measured the run-off of water and the washoff of soil. In 2 years, 30 times as much water and 15 times as much soil were saved on the ground carpeted with forest leaves as on the burned-over land.



| DEcember, Twelfth Month. |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| astronomical calculations. |  |  |  |  |  |  |  |
|  | Days. d. m. Days. | d. m. | ss. | Days. |  |  |  |
|  | 21s. 49 |  | 13.2310 |  |  |  |  |
|  | 21 | 22 | $\begin{array}{lllll}14 & 12 & 14\end{array}$ | 20 |  | 26 |  |
|  | $\begin{array}{rrrr}22 & 07 & 9 \\ 22 & 15 & 10\end{array}$ |  |  |  |  | 27 | ${ }^{23} 20$ |
|  | $\begin{array}{lll}22 & 15 & 10 \\ 22 & 23 & 11\end{array}$ |  | 16 23 <br> 17 23 <br> 17 23 <br> 1  |  | 23 27 <br> 23 27 |  | 23 <br> 23 <br> 23 <br> 14 <br> 14 |
|  | 23 |  |  | 24 |  | 30 |  |
| Full Moon, 1st day, 8 h . 31 m ., evening, E. Last Quarter, 10th day, 1 h .24 m ., morning, E. New Moon, 16 th day, 9 h. 53 m ., evening, W. First Quarter, 23rd day, 3h. 9m., evening, E. Full Moon, 31st day, 3h. 54m., evening, E. |  |  |  |  |  |  |  |
|  |  | $\begin{gathered} \text { ngth } \\ \text { Ways } \\ \text { m. } \end{gathered}$ |  |  |  | $D$ | $\begin{aligned} & D \\ & \text { unts. } \\ & \text { m. } \end{aligned}$ |
|  |  |  |  |  |  |  |  |
|  | 2 Sa. 655412 | 9176 | - 12615 |  | G |  | morn |
|  | 3 S-656412 | 9166 | 62261611 | , | G' | 510 |  |
|  | 4 M .657412 | 9156 | 632517 |  | $\frac{\mathrm{Cnc}}{}$ |  |  |
|  | 5 Tu .659412 | 9136 | 652518 |  | Cnc |  |  |
|  | 6 W .659412 | 9136 | 652519 |  | Leo | 8 |  |
|  | 7 Th. $7 \quad 04412$ | 9126 | $6 \quad 62420$ |  | Leo | 9 |  |
|  | 8 Fr. 70412 | 9126 | 62421 |  | Leo | 1023 |  |
|  | $9 \mathrm{Sa} .71{ }^{7} 1412$ | 9116 | 672322 |  |  | 7 |  |
|  | 0 S. 722412 | 9106 | 682323 |  | V |  |  |
|  | 11 M .73412 |  | 92224 |  | Lib | 033 |  |
|  | 12 Tu .74412 |  | 102225 |  | Lib | 143 |  |
|  | 13 W. $7 \quad 5412$ |  | 6112126 |  | Sco | 2 |  |
|  | 4 Th. $7 \quad 6412$ |  | 6122127 |  | Sco | 414 |  |
|  | 5 Fr .76412 |  | 6122128 |  |  |  | 1004 |
|  | 16 Sa. 77413 |  | 61220 - | $9310 \frac{1}{2}$ |  | sets | 1110 |
|  | $17 \mathrm{~S}-78413$ |  | 61320110 | (1) ${ }^{\frac{3}{2}}$ | Ca | 439 | 018 |
|  | 8 M. 78413 |  | 61319211 |  | Cap | 559 |  |
|  | 9 Tu. 79414 |  | 1319 |  | Aqr | - 21 | 225 |
|  | 20 W .710414 |  | 14184 |  | Aqr | 840 | 320 |
|  | 21 Th. 710414 | 941 | Inc. 185 |  |  | 9 |  |
|  | 22 Fr. 711415 | 940 | 0176 |  |  |  | 457 |
|  | 3 Sa .711416 | 950 | 177 |  | Psc | morn | 541 |
|  | 24 S-711416 | $9 \quad 50$ | 1168 |  | , | 014 |  |
|  | 25 M. 712417 | 950 | 1169 |  |  |  |  |
|  | 26 Tu. 712417 | 950 | 11510 |  |  | 2 |  |
|  | 27 W .713418 | 950 | 11511 |  | Tau | 3 | 843 |
|  | 28 Th. 713419 | 60 | 21412 |  |  | 437 | 932 |
|  | 9 Fr .713420 | 70 | 31413 |  |  |  |  |
|  | Sa. 713420 | $9 \quad 70$ | 3131410 |  |  |  |  |
|  | . 14421 |  | $13 \bigcirc 10$ | 11 |  |  |  |



> Now sumlight glimmers, pale and shy, And now the winter winds are high, The winter winds are bold; We loved the springtime's sun and rain, we longed for summer's rose again, We loved the autumn's golden grain,We love the winter's cold!
dora read goodale

| $\dot{A}$ | $\dot{B}$ |
| :---: | :---: |
| $\dot{A}$ |  |
| 1 | Fr. |

1 Fr. 2 Sa .

4 M .
5 Tu.
6 W.
7 Th.
8 Fr .
9 Sa .
10 A
11 M .
12 Tu.
13 W.
14 Th.
15 Fr.
16 Sa.
17 A
18 M.
19 Tu.
20 W . 21 Th.
22 Fr. 23 Sa .
24 A
25 M.
26 Tu .
27 W. 28 Th .
29 Fr . 30 Sa .
31 A

Cady Astor takes seat in House of $\{9.6$ Commons, 1st woman member, $1919 .\{8.3$ $\Varangle$ (ir. Hel. Tides $\left\{\begin{array}{l}9.6 \\ 8.8\end{array}\right.$ Cold,
1st $\Xi$. in $X 0 . \mathbb{C}_{\text {higl. }}^{\text {runs }}\left\{{ }_{-}^{9.6}\right.$ bluster$\mathbb{C}_{\text {A po. }}^{\text {in }} \square \Psi \odot .\left\{_{9.5}^{8.2}\right.$ ing winds. A squithi, Brit. Prime Minister,resigns $\{8.2$ susceeded by Lloyd feorge, 1916. \{9.4 St. Nicholas. $\quad \underset{Y}{\text { Gr. Elong. Tides }}\left\{\begin{array}{c}8.1 \\ 9.2\end{array}\right.$ Pres. Wilson signs resolution declar- $\left\{\begin{array}{l}8.1 \\ 9\end{array}\right.$ ing war with Austria-Hungary, 1917. 9.0 First deposit of Oalifornia gold made $\{8.1$ in the United States mint. $1848 . \quad\{8.8$ o $\Psi \mathbb{C}$. Tides $\left\{\begin{array}{l}8.6 \\ 8.6 \\ \text { Look fur }\end{array}\right.$
 Tides $\left\{\begin{array}{c}8.7 \\ 8.7\end{array}\right.$
$6 \geqslant \mathbb{C}$
Tides $\left\{\begin{array}{l}9.1 \\ 9.1\end{array}\right.$
Battle of Fredericksburg. ${ }_{1862}$ 9.6.6 Quite य $\begin{aligned} & \text { Gr. Hel. } \\ & \text { Lat. N. Tides }\end{aligned}\left\{\begin{array}{l}10.1 \\ 8.8\end{array}\right.$ mild. $\Psi$ Stationary $\quad$ б $\not \subset \mathbb{C} .\left\{\begin{array}{c}10.6 \\ 9.0\end{array}\right.$ $\mathbb{C}$ runs low. Tides $\left\{\begin{array}{l}11.0 \\ 9.2\end{array}\right.$ 30 Sunt. in Monent. $\mathbb{C} \underset{\text { Peri. }}{\text { in }}\left\{\begin{array}{l}11.3 \\ 9.4\end{array}\right\}$ б $\delta \mathbb{C}$. Tides $\{11.4$
Edwin M.Stanton, Secretary of War $\left\{\begin{array}{l}9.4 \\ \text { under Lincoln, born, } 1814 .\end{array}\right.$ o ㅇ C. of $2 \mathbb{C}$. Tides $\left\{\begin{array}{l}11.2 \\ 9.4 \\ 10.8\end{array}\right.$ St. Thomas. 6 ㅇ 2 . $\left\{\begin{array}{l}9.4 \\ 10.8\end{array}\right.$ Snow $\bigcirc$ en. V9, Winter $\underset{\text { BEGINS. }}{\boldsymbol{\text { Wides }}\{9.3}$ Con Equator. $\left\{\begin{array}{l}9.2 \\ 9.1\end{array}\right.$ be looked
 Cfristmas. б © ©. 字in $8 \cdot\left\{\begin{array}{l}9.0 \\ 8.1\end{array}\right.$ St. Stephen.

Tides $\left\{\begin{array}{c}8.9 \\ \hline .8\end{array}\right.$ St, John, the Evangelist. $\left\{_{7.6}^{9.0}\right.$ Severe Holy Innocents, Tides $\left\{\begin{array}{l}9.0 \\ 7.6\end{array}\right.$ cold. Texas admitted to Union, Tides $\left\{\begin{array}{l}9.1 \\ { }_{7.7}\end{array}\right.$



Farmer's Calendar.

## Our Forefathers' Advice for December

The following was the Farmer's Calendar for December 1793 - our first cdition. Its homely advice is just as good for us today as it was for our ancestors 140 years ago:

Put your sleds \& sleighs in order.

Complete your thrashing. Visit your barns often.
See that four cellars are well stored with good cider, that wholesome and cheering liquor, which is the product of your own farms; No man is to be piticd, that cannot enjoy himself or his friend, over a pot of good cider, the product of his own country, and perhaps his own farm; which suits both his constitution and his pocket, much better than West-India spirit.

Now comes on the long and social winter evenings, when the farmer may enjoy himself, and instruct and cntertain his family by reading some useful books, of which he will do well in preparing a select number.
Adjust your accounts; see that your expenditures do not exceed your incomes.

## REMARKABLE ASTEROIDS OF 1932.

THE OLD FARMER'S ALMANAC for 1930 contains a discussion of the little asteroid Eros, which of all heavenly bodies known at that time comes closer to the Earth (within $13,840,000$ miles) than any other except the Moon. Eros had held this distinction ever since its discovery in 1898, but lost it in 1932 when two more asteroids were found which come even nearer.

The first of these was detected on March 12 by the Belgian astronomer Delporte, when it appeared like a thirteenth-magnitude star in the constellation Virgo, then almost opposite the Sun. It had an apparent eastward motion among the stars of more than a degree a day, whereas an ordinary asteroid in that position would have seemed to move westward due to the Earth's more rapid orbital revolution. This circumstance immediately aroused great interest among certain astronomers, who soon determined the form, size, and position of the orbit. They found that the object passed its perihelion on April 4 at a distance of $101,000,000$ miles from the Sun and only about $7,000,000$ miles outside the Earth's orbit: that the aphelion distance is 2.6 times greater; that the orbit lies in a plane inclined $12^{\circ}$ to the plane of the ecliptic; and that the period of revolution is 2.7 years.

The second asteroid referred to, which was discovered by Reinmuth in Germany on April 24 very nearly opposite the Sun, has an even more remarkable orbit. Its perihelion, which it passed on July 7, lies inside the orbit of Venus, $60,000,000$ miles from the Sun., while its aphelion is 3.5 times farther away, well outside the orbit of Mars. The orbit of the asteroid thus crosses those of three planets (Venus, the Earth, and Mars), in which respect it is unique. The orbit plane is inclined $6^{\circ}$ to the plane of the ecliptic. The period of revolution is 1.8 years, the shortest asteroid period known. At its nearest approach to the Earth, Reinmuth's asteroid is only about $6,000,000$ miles away-less than the minimum distance of Delporte's asteroid and less than half that of Eros.

Both of these new asteroids are tiny--not over a mile or two in diameter, while Eros is about fifteen. Their orbits resemble those of many comets more than those of most asteroids, and in fact their nature was at first so much in doubt that they were referred to cautiously as "objects"-Delporte's object and Reinmuth's object; but as they showed no tails or other cometary characteristics even when nearest the Earth and so most favorably seen, they are now definitely classed as asteroids.

A third remarkable asteroid was found by Van Biesbroeck at the Yerkes Observatory on July 30. It is noteworthy for its period of 2.0 years, which, with the exception of the periods of Eros and Reinmuth's object, is the shortest known.

## THE LEONID METEORS.

Leonid meteors in large numbers were observed in 1931, from November 13 to 18 . The maximum occurred on the morning of November 17, when in localities near the Atlantic coast of North America the meteors were seen to flash at rates as high as four meteors per minute. Many were brighter than the planet Jupiter and left behind them luminous trains which were visible, in some cases, for several minutes. It is likely that a brighter display will occur about November 16 or 17 in 1932, and another about the same dates in 1933. For further details concerning these and other meteors, consult THE OLD FARMER'S ALMANAC for 1932.

## PERIHELION AND APHELION.

Perihelion is the term applied to that point of an orbit which is nearest the Sun; aphelion, to the point which is most remote. In the orbits of comets, the aphelion distance is several times the perihelion distance or, in the case of parabolic orbits, the aphelion distance is infinite; but in the principal planetary orbits, which are nearly circular, the diffcrence of the perihelion and aphelion distances is a small fraction of either. For example, the Earth is only about, $3,000,000$ miles nearer the Sun at perihelion than at aphelion-a trivial matter compared with its average distance of $92,900,000$ miles.

To some, it is a matter of surprise that we have our coldest weather in January, when the Earth is near perihelion and $3,000,000$ miles nearer the Sun than in July. These forget that our winter is only a local affair and that, in January, the southern hemisphere is having its hottest weather so that. the temperature of the Earth as a whole is not very different in January and in July. The average temperature of the entire surface of the Earth is, in fact, a little higher in January than in July, due to the $3 \%$ difference of distance.

There are two principal causes of the changes of season, either of which has a much greater effect on the temperature in any locality than has the change of the Earth's distance from the Sun from perihelion to aphelion. First, becausc the Sun in midwinter "runs lower" by about $47^{\circ}$ than in midsummer, its lays fall much more slantingly upon the surface of the northern hemisphere in January than in July, so that in the former month the heat of a sunbeam is sprcad over a much greater area. It may be shown mathematically, for instance, that at noon on June 21, when the Sun "runs highest," a level area in New England receives heat from the Sun at more than twice the rate at which it receives heat at noon on December 22, when the Sun "runs lowest." Second, summer days in our latitude are several hours longer than winter days, so that in summer we receive heat for a longer time than in winter.

## THE MOON'S DISTANCE.

The Moon's distance from the Earth ranges from a minimum of 221,463 miles to a maximum of 252,710 miles. Its average distance is 238,857 miles, or 60.27 times the Earth's equatorial radius. This average distance is not the average of the maximum and minimum distances, as may be easily seen, but is the average of all the Moon's distances from the Earth during an entire revolution.

Perigee and apogee are the terms applied to the points of the Moon's orbit which are nearest to and farthest from the Earth, respectively. The perigee and apogee distances are nearly equal to the minimum and maximum distances given above; but are not always exactly equal to them because of perturbations which vary the size and shape of the Moon's orbit.

## RECENT COMETS.

During the year which ended June 30,1932 , six new comets were discovered, and three periodic comets which had been discovered in previous years were detected as they returned to the vicinity of the Earth. Only one of these comets (Ryves's) was seen without optical aid, and it could be so observed only with difficulty. The nine comets of the year were as follows:

1. Comet 1931 b, discovered 1931 July 16 by Masuji Nagata, a Japanese fruit grower and amateur astronomer, near Brawley, California. It had passed perihelion on June 11, about five weeks
earlier, and if discovered at that time it would probably have been seen with the naked eye; but at the time of its actual discovery it was telescopic, being of about the seventh magnitude. It was of a yellow color and had a short tail. It became steadily fainter until October 6, when it suddenly brightened about a hundred fold; then it grew rapidly fainter and was lost, even to the largest telescopes, before the end of 1931. At perihelion it was $97,000,000$ miles from the Sun. Its orbit is elliptic, with the long period of 267 years, and lies in a plane inclined $42^{\circ}$ to the plane of the ecliptic. There is a possibility that this comet is identical with bright comets which are recorded as having been seen in the years 574 and 1092 A.D.
2. Comet $1931 c$, discovered by the English amateur astronomer, Ryves at Zaragoza, Spain, 1931, August 10. This comet was faintly visible to the unaided eye and had a tail about a degree long, but remained so nearly in the direction of the Sun that observations of it were difficult. Orbit parabolic, inclined $10^{\circ}$ to the plane of the ecliptic. Motion retrograde. Perihelion passage, 1931, August 25, at a distance of $7,000,000$ miles from the Sun-the smallest perihelion distance of any comet that has appeared during the last forty years.
3. Neujmin's comet of 1913, detected by Nicholson with the 100 -inch telescope of the Mount Wilson Observatory in California, 1931, August 20. Fifteenth magnitude, no tail. Orbit elliptic, period 18 years, inclination $15^{\circ}$. Perihelion passage, 1931, April 30, at a distance of $142,000,000$ miles from the Sun.
4. Comet 1932 b, a ninth-magnitude comet discovered near the south celestial pole 1932, April 2, by two observers inde-pendently-Houghton at Capetown and Ensor at Pretoria, South Africa. Orbit parabolic, inclined $75^{\circ}$ to the plane of the ecliptic. Perihelion passage 1932, February 29, at $116.000,000$ miles from the Sun.
5. Comet 1932 c, discovered by Carrasco at Madrid, 1932, April 22. It then showed a tiny tail and was of the twelfth magnitude, but it rapidly became fainter and was lost to observation within a few weeks. Orbit parabolic; inclination 580; perihelion passage 1931, November 30, at $218,000,00$ miles from the sun.
6. The Grigg-Skjellerup comet, detected by van Biesbroeck at the Yerkes Observatory, Wisconsin, 1932, April 28. Originally discovered by Grigg in 1902, but lost, and rediscovered by Skjellerup in 1922. The orbit is elliptic, and with the exception of that' of Encke's comet the period ( 5.1 years) is the shortest known. Inclination of orbit plane to the ecliptic, $17^{\circ}$. Perihelion passage 1932, May 12, at a distance of $84,000,000$ miles from the Sun. The comet was of the sixteenth magnitude and had no tail.
7. Kopff's periodic comet, originally discovered in 1902, detected by Bobone at Cordoba, Argentina, 1932, May 25. Though better situated than at its last previous return in 1926, the comet was still very small and faint. Perihelion passage 1932, August 21, at $158,000,000$ miles from the Sun; inclination of orbit 90; period 6.6 years.
8. Comet $1932 f$. discovered by Newman at the Lowell Observatory, Flagstaff, Arizona, 1932, June 1. The comet was of the twelfth magnitude and had a tiny tail. Orbit parabolic; inclination $78^{\circ}$; perihelion passage 1932, September 24 , at $153,000,000$ miles from the Sun.
9. Comet 1932 g , discovered by Geddes at Melbourne, Australia, 1932, June 22, when it was of the tenth magnitude and growing fainter. Orbit parabolic, motion retrograde, inclination $58^{\circ}$; perihelion passage 1932, October 26, at $178,000,000$ miles from the Sun.

## THE TOTAL SOLAR ECLIPSE OF 1932.

The total solar eclipse of August 31, 1932, the last which will be seen in New England in many years, was enjoyed by thousands of spectators stationed, principally, along the Maine coast. Observers farther inland were largely disappointed by cloudy weather, although at many localities some were favored by patches of clear sky. Parties of astronomers from many observatories in America, Europe, and Japan were distributed along the path of the Moon's shadow from Maine to northern Canada, but most of these were prevented by clouds from getting any observations. The finest view of the spectacle was undoubtedly that obtained by several observers who ascended in aeroplanes into the clear air at heights of 15,000 feet and more, and who reported seeing the Moon's shadow sweeping at amazing speed over the white clouds beneath.

The corona at this eclipse was of a form intermediate between that usually seen at eclipses which occur near sun-spot maximum and that at sun-spot minimum; from its brightest part, which formed a symmetrical ring around the Sun, there were faint extensions, the most conspicuous being a pennant-shaped streamer extending north-eastward from the Sun's equatorial zone to a length of more than three million miles. There were many of the famous red "prominences" which were conspicuous in the telescopic viev, and some were so large as to be seen by a number of observers with the unaided eye.

The eclipse was not quite "on time"; the last Baily's bead vanished about five seconds after the time of "second contact" computed some years previously at the American Nautical Almanac office.

## FARMER'S RIGHTS REGARDING AVIATION. <br> (Continued from page 21)

heights is not a trespass against the landowner. No definite height has been fixed by the courts, the test being that the airplane must stay above a level to which the landowner could use the space for reasonable purposes. Under this, flying in a city must, in order to avoid trespass, be higher than in the country. When an airplane collides with the Empire State Building the theory will indeed be tested.

JOSEPH J. HURLEY,
Professor, Boston College Law School Legal Advisor, Old Farmer's Almanac

## RABBIT PROMOTIONS - A WARNING!

We gladly publish the following by request:
"Do not let the readers of your historic and revered Old Farmers Almanac invest their hard-earned savings in some of these Rabbit Promotion schemes that are springing up all over the country, putting out all sorts of alluring figures, without a thorough and searching investigation.

We shall be glad to send any Old Farmers Almanac subscriber, without charge, a copy of our leaflet, 'Rabbit Promotions'- a warning to the public about the pitfalls in popular 'Get Rich Quick' schemes.' Boston Better Business Bureau,

80 Summer Street, Boston, Mass.

## TO PATRONS AND CORRESPONDENTS.

(Continued from page 2)
We are proud of our advertising section, representing as it does the leaders in American business life. THE OLD FARMER'S ALMANAC exercises a more rigid censorship of its advertising pages than any other American publication, accepting no medical, no questionable, no cheap advertising and no advertising in any way competing with the merchants of our local stores throughout New England.

## GETTING MORE FERTILIZER FOR YOUR MONEY

While the title of this article is "Getting More Fertilizer for Your Money", it could just as well be "Getting Better Fertilizer for Your Money", for that is just what we farmers are doing today.

Since the war, some notable adrances have been made in both the science and the art of fertilizer manufacture. Several marked tendencies have been manifest. One of these has been to devise and use higher grade materials and thus make it possible to produce the socalled "concentrated" or double-strength fertilizers; another has been to decrease the number of different brands or grades of fertilizers offered for sale; a third has been to eliminate the low-grade fertilizers, or those with only 15 or less units of plant food per ton, on which the farmer paid freight on a considerable quantity of worthless material ; and a fourth, to lower the price of fertilizer and plant food elements to the farmer.

By means of new methods and processes which our fertilizer chemists have recently devised, we are now able to secure materials which contain two to three times the amount of nitrogen' and phosphoric acid of those formerly used, and with these new materials our fertilizer men are fabricating the high-grade, concentrated mixtures which are proving both popular and economical.

For example, an 8-16-16 fertilizer conld be purchased last spring in Boston for $\$ 49.20$ per ton; a $4-8-8$, containing just half as much plant food, cost $\$ 27.60$ per ton, or $\$ 55.20$ for two tons. The farmer can secure the same amount of plant food in one ton of the 8-16-16 as he can in two tons of the $4-8-8$, and will thus save $\$ 6.00$ in the cost of materials. Besides this, there will be a saving in freight on one ton of fertilizer, which usually amounts to about $\$ 3.00$, or a total saving of $\$ 9.00$ on the equivalent of two tons of fertilizer. Of course the farmer should apply only half as mucli per acre of the high-grade fertilizer because it is twice as strong as the 4-8-8.

Another most commendable thing that our fertilizer companies are doing is to decrease the number of different kinds and grades of fertilizer they are selling. For a long time there were so many different grades on the market that the farmer was confused as to just what grade would best snit his particnlar needs. It was a little like trsing to select a couple of Christmas neckties from a big assortment. Now we have a relatively small number of standard grades from which to make our selection, which avoids confusion on our part and serves as an economy for the manufacturer. Again, too, the new fertilizer regulations require that the percentages of plant food in all mixed fertilizers shall be stated in whole numbers without any fractions or decimals. This also is in the interest of simplicity and economs.

Ever since commercial fertilizers hare bren on the market, there have been certain "low-grade" kinds carrying only 9 to $1 \pm$ units of plant food per ton,-(a 2-8-3 for example). These are made up of the lower grade materials and always contain more or less filler or "make-weight". Since the costs of labor, bags and freight on these goods are just as great as on the high-grade goods, it is quite evident that the cost per pound of plant food in them will be greater than in the high-grade goods. In other words, if I have $\$ 50.00$ to spend for fertilizer, I am going to bus one ton of a $\$ 50.00$ grade rather thau two tons of a $\$ 25.00$ grade, and then use only half as much per acre.

Surprising as it may seem, mixed fertilizers are about as cheap and some fertilizing materials like sulphate of ammonia are cheaper than they were before the war. In mixed car lots farmers can now buy nitrogen in the form of ammonia delivered at their stations for 10 cents a pound, phosphoric acid for $51 / 2$ cents, and potash for a little less than 5 cents.

If the farmer has the cash or can secure credit at a reasonable rate, he should not curtail his fertilizer supplies at current prices. Ample fertilization is one of the best forms of crop insurance, as was demonstrated last year by John R. Jackson up at Colebrook, N. H., who won the potato club contest with a yield of 506 bushels per acre. Mr. Jackson used one ton of a 5-8-7 fertilizer and one-half ton of superphosphate per acre. What we nepd today in our agriculture for conomie production is fewer acres well tilled and better fertilized.

Perhaps the most important recent change to be made in our fcrtilizer practice is discarding the old custom of expressing the nitrogen content of our fertilizers in terms of ammonia. This change became effective in all the New England States and in six other Northeastern States January 1, 1932. We used to read our fertilizer guarantee on the bag something like this:-Nitrogen $4.1 \%$; equivalent to Anmonia $5 \%$. This duaI statement was always confusing since many people thought it meant $4.1 \%$ of nitrogen and in addition $5 \%$ of ammonia. Our old friend Ammonia is no longer in the line-up, and nitrogen will be guarantced as nitrogen only.

In most cases the new grades of fertilizer will contain the same percentage of nitrogen that they formerly contained of ammonia. This means that the farmers will get about one-fifth more nitrogen than they have been accustomed to getting, and we hope for the sanc price.

## NEW METHODS OF MAKING HAY

Some new and interesting methods of making hay have been invented since that poetic period when,

> "Maud Miller on a summer day, Raked the meadows sweet with hay."

The first and perhaps the most practical of these new methorls is chopping from the ficld. The hay is cut, cured, raked and loaded in the field as usual. The load is drawn to the barn where the lay is fed by two pitchers to a large chopper, which cuts and blows it directly into the hay mow.

The chopper, which may also be used for cutting ensilage, is simply an enlarged ensilage cutter with one to three spiked rollers to assist in feeding the hay to the knives. The blower distributor pipe is swiveled so that it may be directed to different parts of the mow at intervals, thus making it unnecessary to have any men storing the hay away in the heat of a hot hay mow.

It has been found that chopped hay requires only from two-thirds to onc-half the space for storage as does uncut hay. This means that the farmer who cuts his hay increases his storage capacity from 50 to 100 per cent. The chopped hay is easily forked and handled. Enough long pieces go through the chopper to act as a binder for a good forkful, so that tearing apart is not necessary.

It is claimed that storing hay in chopped form materially reduces the fire hazard. Chopped hay packs so much closer that the circulation of air through the hay is retarded to such an extent that there is not a sufficient supply of oxygen to cause spontaneous combustion. Some careful comparative tests have been made at the various stages of heating of both chopped and uncut hay which had received the same amount of curing and the same trpe of storage. At no period did the temperature of the chopped hay excecd that of the uncut.

It is also important to note that in chopping, the occasional uncured bunches are thoroughly mixed with the drier portions which absorb the excess moisture and thus prevent the mouldy spots which we sometimes find in stored has, particularly clover.

Present evidence scems to indicate that all classes of livestock relish the chopped hay just as much as the uncut of the same kind and quality. In fact, it has been found that the cattle clean up the cut hay better
than the uncut so that less waste of the coarser stems finds its way to the bedding and manure.

The choppers may be operated by gas engines, tractors or electric motors. About the same amount of power is required as for cutting ensilage. The larger choppers, however, require more power, 15 to 25 H. $\Gamma^{\prime}$., than the ordinary ensilage cutters.

Storing hay by the chopping method costs about the same as the common method of unloading with a hay fork. The extra cost of 15 to 20 cents per ton for gas and oil is offset by the saving in man power over the common method. The chopping is somewhat faster than the fork method, as only 10 to 15 minutes is required to cut and blow a tou. The farmer who has 100 tons or more of hay to store every year should investigate this new chopping method.

The second new method of making hay is the artificial drying process. The main advantage of artificial drying is that it removes the weather hazard, and in most cases will produce a better quality of hay, that is, one higher in protein because practically all the leaves and finer stems are saved.

There are several types of these driers on the market and they vary greatly in size and capacity. One of the more common types is the rotary, direct-drying type with a capacity of one ton of water evaporated per hour. This, by the way, would be considered a small machine.

The green material, after being run through an ordinary ensilage cutter, is blown directly into the drying drum where it comes in contact with the hot gases of combustion from the furnace or oven. Inside the outer drum, which is about six feet in odiameter and 16 feet long, are two smaller concentric ones. The green material, along with the gases, is drawn through by suction, first going through the smalier drum, then back through an intermediate one, and finally making a third trip next to the outer drum. After going through the fan, it passes a dust collector and from there into a large hopper ready for bagging.

With the type of drier in question, two power units are required, one of 7 or $8 \mathrm{H} . \mathrm{P}$. to run the cutter and one of $15 \mathrm{H} . \mathrm{P}$. to operate the fan, drum, fuel oil pump and air pump. Either tractors or electric motors may be used as a source of power.

For heating the drying gases, fuel oil is used, the average consumption being about 31 gallons per ton of water evaporated, or from 40 to 50 gallons per ton of dried hay secured. The fuel consumption varies rather widely with the different materials and with their degree of wetness. Drying alfalfa during rainy spells required as much as 70 to 95 gallons of oil per ton of hay.

Since the green material comes in contact with the gases at a temperature of 1,000 to 1,100 degrees, there is always some fire risk. Care must be taken to prevent the dried material from being forced back into the hottest gases and becoming overhcated.

At the present time the artificial method of drying hay is too expensive for the average farmer. He will have to depend upon old Sol and the wind for some years to come. The methor, however, does have possibilities for development for large scale production in certain sections of the country where haying is a hazardous job.

## SOME TIMELY GARDEN HINTS

A recent interesting development for the home gardener is the electric hot bed. The advantages of this device are its cleanliness and the ease with which it may be operated. The heat is supplied by an electrical lead-covered heating cable which costs less than three dollars for a two-sash bed. A thermostat may be used to regulate the heat, although it is rather expensive and not necessary if one is careful in turning the
current on and off. The amount of energy used is from two to four kilowatts per sash per day, depending upon the outside temperature.

The grower of muskmelons, cucumbers, squash, and other vine crops will find that plant protectors made of special waxed paper with wire arches are a great help in the early maturing of these crops. The seed may be planted under the protectors three to four weeks earlier than usual. The protectors should remain over the hills until the plants completely fill them and danger of frost is past. Usually the best time to plant is around May 1st.

Peat moss has been found a rather effective substitute for manure in many gardens. While it contains very little fertilizing material, it lightens the soil and prevents moisture loss.

Home gardeners have not learned how to properly fight flea beetles, cucumber beetles, squash bugs, celery blight, and cucumber scab. They will do well to buy rotary dusters and dust their crops at least once a week. Dusting is much simpler than spraying. The dust used is made up of one part powdered copper sulphate and four parts of chemically hydrated lime. If a poison dust is wanted to control leafeating insects, it should be made of one pound of copper sulphate, onehalf pound arsenate of lead, and three and one-half pounds of chemically hydrated lime. If the prepared dust is to be bought, get what is known as a $20-80$ dust. All dusting should be done while the dew is on the plants, before seven in the morning or after seven at night.

Among the new tomatoes on the market is the variety known as the Prichard. It shows promise of being valuable for the home garden.

Among other new varieties of vegetables well worth trying are Spanish Gold, a very early, high-quality sweet corn; Harris Earliest pepper; Most Prolific early pepper; Tender Sweet and Perfection carrots ; Golden Phenomenal and Salt Lake celery, and Bison Tonato. The latter is an extremely early tomato.

When do you kill the weeds in your garden? If you kill them as soon as they get started, the job is easy and the labor of keeping the garden free from them is comparatively simple, but if you wait until they have made some growth they will starve out your crops and you will have to put in four to five times as much effort in destroying them as you would have earlier.

Should vegetables like cucumbers, melons, corn, and beans be planted in hills or in drills? This is a question often asked the vegetable specialist. While there are some advantages in the hill method, especially in the matter of hoeing and cross cultivation, certainly each plant will have a much better individual chance if it is all by itself, six inches or more from its neighbor plant. Cucumber growers are spacing their plants a foot apart instead of allowing four plants to grow in a hill four feet apart. Perhaps for the home garden, plants spaced equally in a drill are preferable to those in hills.

The asparagus beetle may be controlled by allowing a few asparagus plants to grow and keeping them covered with arsenate of lead.

The rose chafer has done considcrable damage during the last few seasoms. Hand picking on a small scale or spraying the crop with sweetened arsenate of lead are control measures recommended. They are not entirely satisfactory.

While many home gardeners use salt on their asparagus, this practice is not recommended by experimental cvidence. Probably the only value of salt is as a weed killer. Why not kill the weeds by cultivation rather than with salt?

Pea blight has done a great deal of damage in backyard gardens. Apparently this disease can be controlled only by planting peas in soil which has not grown the crop for at least eight or ten years. Once the disease is in the soil, it is difficult to eradicate.

Home gardeners often have difficulty in growing good spinach, yet spinach is rather easy to grow if the following precautions are observed. First, lime the soil heavily. Use at least one pound of lime to 20 feet of row. Second, plant the seed early before the first of May, if possible, in a well prepared seed bed. Third, enrich the soil with manure or commercial fertilizer so that the spinach has plenty of food to grow on.

The small garden tractor is an easy way of cultivating a garden of an acre or more. People who are interested in machinery usually have excellent success with them, while those who cannot handle machinery are likely to make a failure of tractor cultivation.

The Howard Supreme strawberry is a new variety giving excellent results. It is an imperfect berry and must be planted with a perfect variety. Howard 17 and Howard Supreme planted in alternate rows should prove satisfactory.

Among the newer varieties of raspberries, the Chief and the Viking come highly recommended. Both are hardy and partially resistant to mosaic disease which has proved so disastrous to that grand old variety, Cuthbert. Mosaic disease on raspberries may be recognized by the puckery drawn-in appearance on the leaves. It is carried from plant to plant by means of insects. If you have any suspicion of mosaic disease in vour garden, pull up the plants and destroy them. There is no cure for mosaic disease.

A home gardener in central New Hampshire grows peanuts, okra, eggplant, sweet and hot peppers, black-eyed pea beans, watermelons, and muskmelons in her garden. While these are by no means commercial crops in this section of the country, it certainly adds to the fun of gardening to try out new plants.

Among peculiar practices found in home gardens is the planting of nasturtiums in hills of cucumbers to keep off the cucumber beetle. If this method were satisfactory, it would be a very easy way of getting rid of a troublesome pest but most of us will prefer to keep the plant well dusted with a poisonous Bordeaux mixture.

Many people cut off the leaves of tomato plants to thicken the stem or force the growth into the fruit. When it is realized that the digestive organs of the plant are in the leaves, that the food that constitutes the fruit, etc., is manufactured almost entirely in the leaves, the foolishness of this practice may be understood.

Many home gardeners use salt on cabbage leaves to control cabbage worm. This is not a recommended practice. It is much better to make a mixture of lime and arsenate of lead, using 10 per cent lime, and dust the plants with this mixture as often as necessary. There need be no fear of poisoning the cabbage because the head grows entirely from the inside.

Many home gardeners hill up root crops like onions, beets, carrots, and parsnips. This is not a good practice. Covering the bulbs of these crops with soil tends to injure their growth considerably.

Many home gardeners still insist on planting celery in trenches. This is a very foolish practice considering that it is almost impossible to weed and cultivate such celery, that the soil washes in during a heavy rain and that one is very likely to plant the celery in the poor subsoil. Celery should be planted on the surface of the soil, six to eight inches apart, and handled the same as lettuce or any other crop.

## HOUSEHOLD HINTS - 1933.

Have your beds fitted with rubber tired castors. They will move casily to get the best air and will not scratch the floors.

Find a place for a large waste basket in your kitchen. It will save many steps when the marketing is being put away.

Keep a bread board and knife handy to your bread box. It will save many minutes if it does not have to be hunted.

A wax finish on the kitchen linoleum makes it possible to wipe up spills easily with a bit of paper and the floor will need to be cleaned less often.

Wash silk stockings before wearing-with a mild soap-and always rinse in clean water to which a little vinegar has been added. They will wear longer.

Clean your white hat with corn meal dampened with lemon juice. Spread it on, let it stand an hour or more, and then brush off with a clean brush.

Leather pocketbooks of any color can be cleaned and made to look new by using the shoe cream which is sold for cleaning shoes of the corresponding color.

Contrary to the usual opinion, a wet umbrella should dry closed. Set it with the handle down. This prevents the cover from being stretched and rust forming where the ribs are joined together.

Apply a little ordinary floor wax to the woodwork around the pulls of drawers and cupboards where the luster has been lost by numerons washings and at the same time save future washings by protecting these areas from soiled fingers.

If you have trouble in making candles fit securely in their holders, try pouring hot water into the candle bowl of the candle stick, let it stand to heat the holder, pour out the water and put the candle in place immediately. If one application of water does not heat it sufficiently repeat the process.

Cardboard boxes, books, and other bulky objects in an overcrowded drawer often accidentally shift around in such a way that the drawer cannot be opened. At such times it is always difficult to find something that is at once thin enough to enter the crack at the top of the drawer and strong enough to press down the obstruction. There is nothing better for this than the common kitchen spatula. It is thin enough to enter a very narrow opening, yet sufficiently stiff to hold down the misplaced object long enough for the drawer to be pulled onen.

To save time in cooking, especially on coal, wood or electric stoves, use flat-bottomed sauce pans or kettles with lids that fit tightly.

Try using sour cream in your omelette in place of milk. You will like its delicacy.

To clean oven-browned pie dishes, soak them in a strong solution of pure borax and water.

When you burn a cake, forget about it until it is thoroughly cold. Then take the lemon grater and run it over the burnt spot. It will scrape all the burn off and leave the cake smooth and ready for the icing.

If your bread for sandwiches is too fresh to slice easily place it in the refrigerator to get thoroughly cold. This will harden it just enough to make thin slicing possible.

To keep the white color of cauliflower add vinegar or lemon juice to the cooking water-about a tablespoonful to each quart of water. Do not cover the kettle.

If your cakes are coarse grained try reducing the proportion of baking powder. Many kinds on the market require a smaller amount than old-time recipes call for.

To remove grease and grime from the hands, try adding a little sugar to the soap lather. The dirt will disappear like magic, leaving the hands soft and white. For this purpose it is well to keep the sugar in a tin can or a mayonnaise jar, the lid of which has been perforated. The sugar then can be slaken out without danger of wetting the contents of the can or jar and without loss of time.

Try serving a fruit cocktail made of nielon balls in maple syrup.

## CHARADES

## 1

My first, on Nature's application Will emphasize a man's relation

To all his fellow men.
And when a fellow is my second
A breach of sportsmanship 'tis reckoned
To jump on him again.
This is particularly true
When, after breaking bravely through
The adversary's line,
And fighting fiercely for my whole,
Across the line that marks the goal
A hero lies supine.
L. B. R. Briggs

## 2

My first by bards unhonored and unsung,
But daily on my fireside comrade's tongue.
Even as of old, since world and time began,
My lovely second rules the heart of man.
My whole, a humble, happy life be thine-
And the glad meadows, and the lowing kine.
L. B. R. Briggs

## 3

With my first (a "quarter")
Tip the Pullman porter.
How my second feels
Other people's heels!
On my whole I stepped
While my neighbor slept.

L. B. R. Briggs

## 4

My First
I try to take the place of locks, Deficiencies conccaling.
My Second

I love a hoax and practical jokes With little regard to fecling.
My Whole

To and fro my flag shall go So long as the soldiers need it ;
The task is mine to give the sign, And theirs the task to heed it.
L. B. R. Briggs

If you're a certain kind of monk Or Highbrow, you my First may wear ;
Then look among the chimney tops And see them in a plenty there; While if the one at your fireside Should seem to you a trifle sooty, Remember it is there for use And very seldom for its beauty.
It's not good form to tip my next If you are proud and haughty,
But of a summer afternoon You'd be excused if you took forty.
There are some rare occasions when My Whole perhaps is justified;
But as a rule its practice should Emphatically be decried.

Mary Russell Hodge
6
My First:
When winter winds blow cold and bleak,
Then seek me on the mountain side;
I'll gladly come and do my part
To glorify your Christmas-tide.

## My Second:

I'm useful, beautiful and strong;
I'm sometimes cheap but oftener dear ;
In every home I'm always found,
To every hearth I bring good cheer.

My Whole:
My cloud capped towers, my gorgeous palaces,
My solemn temples and my donjon keeps,
My mountains, rivers, seas and placid lakes,
Canyons and beetling cliffs and vasty deeps,
Where over and through all by night and day
The stars hold undisputed sway:
All these and many amazing things beside
You'll see if you examine my inside.

Mary Russell Hodge

## ANSWERS TO CHARADES IN LAST YEAR'S ALMANAC.

1. Nightmare.
2. Bookworm.
3. Hammock.
4. Bobolink.

## THE AUTOMOBILE IN NEW ENGLAND.

The laws and regulations relating to the operation of motor vehicles are subject to frequent changes, and some may possibly occur after the time of our going to press.

These laws are taken from State Law books and substantiated by the Registrar of Automobiles in each New England State in October, 1932.

## MAINE

Car Registration: With Secretary of State. Expires December 31. May be used until March 1.
Fees: 25 cents per horse power; also 25 cents for each 100 pounds of weight and 50 cents if tires are solid. Between Sept. 1 and December 31 half-fee.
Driver's License: To persons 15 or over, if application is signed by either parent, or, if without parents, by employer. Fee \$2. Expires Dec. 31 ; chauffeur's license to persons over 18 , fee $\$ 3.00$.
Lights: From half hour after sunset to half hour before sunrise. Must conform to regulations of Secretary of State. If vehicle is so constructed or controlled that it can exceed a speed of 15 miles per hour, its front lamps must render discernible objects 200 feet ahead on level road and at the same time at least 7 feet to the right of the axis of the vehicle for 100 feet. No part of the light beam when projected 75 feet or more ahcad of lamps is to be more than 42 inches higher than surface on which vehicle stands. If vehicle is so constructed or controlled that it cannot exceed a speed of 15 miles per hour, the requirements are less.
Speed: 15 miles per hour when passing a school at recess or during opening and closing periods and when approaching within 50 ft . of an intersection. 25 miles per hour in business and built-up portions and 35 miles an hour in most other places. Speed must be reasonable and proper.
Non-Residents: Motor vehicles, trucks, tractors and trailers, weighing $11 / 2$ tons or less, may be operated without a Maine registration or license if properly registered in a home state, which gives Maine residents same privileges.
Motor Trucks: Registration fees: $\$ 10$ on 1000 pounds or less capacity to $\$ 150$ on more than five tons.
Insurance: In case of conviction of violation of certain sections of the automobile law, proof of financial responsibility required; right to operate suspended until it is. Such proof may be evidence of insurance or bond or money or collateral.

## NEW HAMPSHIRE

Car Registration: With the Commissioner of Motor Vehicles. Expires December 31.
Fees: Vehicles equipped with pneumatic tires, not exceeding 4000 pounds, 35 cents per 100 pounds. The fees increase with weight until they reach 60 cents per 100 pounds on weights of over 8000 pounds. For all vehicles with hard rubber tires 20 cents per 100 pounds is added to the above rates. For all vehicles with iron, steel or other hard tires 40 cents per 100 pounds is added to the above rates. The minimum fee is $\$ 10$ for a passenger vehicle. No motor vehicle owned or controlled by a resident may be registered without a permit from the city or town where such owner resides. Fee for permit varics from 17 mills to 3 mills per $\$ 1$ of list price according to year of manufacture, and not exceeding $\$ 10$ in all. Exemption where applicant for permit has been assessed on property used in purchase of car.
Driver's License: Persons 16 or over. Original license and examination, $\$ 3$. Expires December 31; renewals, $\$ 2$; chauffeur's license to persons over 18 . Fee, $\$ 5$; renewals, $\$ 2$.

Non-Resident Owner: A non-resident owner of a motor vehicle which is used solely for pleasure and is not used for carrying passengers or property for a profit or for hire, and which has been duly registered for the current year in the state or country of which the owner is a resident, and in accordance with the laws thereof shall not be required to register such motor vehicle in this state.
Operator's License: No owner of such motor vehicle and no non-resident chauffeur or driver of such vehicle who is the holder of a license to drive such vehicle in the state or country in which he resides shall be required to purchase a license to drive such vehicle within this state.
Lights: Between half hour after sunset and half hour before sunrise. Lights from front lamps to be visible at least 200 feet in the direction in which the vehicle is proceeding. Headlights must have dimmers.
Speed: Prima facie unlawful if exceeding 15 miles an hour passing schools, at intersecting streets, on curves and grades where view is obstructed, and in business districts where there are no traffic officers or signals; exceeding 20 miles on other highways in business districts, or in residence districts; exceeding 35 miles elsewhere.

## VERMONT

Car Registration: With Commissioner of Motor Vehicles. Expires December 31.
Fees: Motor vehicles of the pleasure type weighing 2000 pounds or less the fee is $\$ 16$; from 2000 pounds to 2500 pounds inclusive, $\$ 19 ; 2500$ pounds to 3000 pounds inclusive, $\$ 23 ; 3000$ pounds to 3500 pounds inclusive, $\$ 28 ; 3500$ pounds to 4000 pounds inclusive, $\$ 33 ; 4000$ pounds to 4500 pounds inclusive, $\$ 38 ; 4500$ pounds or more, $\$ 43$. Manufacturer's weight, available, to be accepted.
Driver's License: To persons 18 or over. Junior's license to persons 16 and 17, $\$ 2.50$. After Aug. 1, one half fee.
Lights: From half hour after sunset to half hour before sunrise. Rear lights must render figures on number plate visible 50 feet to the rear. Front lights must render a substantial object on the ground clearly visible 150 feet ahead. A lighting device of over four candle power, equipped with a reflector, must not be used unless the light-beam 75 feet ahead shall not rise more than six inches above the height of the bulb, and in no event more than 42 inches above the level surface of the road.
Speed: A motor vehicle shall not be operated on a public highway, as defined in this act, in a careless or negligent manner, nor upon a bet, wager or race, nor for the purpose of making a record, nor in a manner to endanger or jeopardize the safety, life or property of any person. Nothing herein contained shall be so construed as to affect the rights of the selectmen of a town or the proper offcials of a city or incorporated village, to make special regulations as to the speed of such notor vehicles upon narrow or dangerous roads or ways, nor to limit the speed of motor vehicles in city or village streets provided such limit is fixed at not less than twenty miles per hour.
Non-Residents: Non-residents who comply with the laws of their home state as to registration and license are exempt from the requirements of the Vermont Law in this respect to the extent that like privileges are granted in home state. Non-residents may register in Vermont for a period of four months at one-half of the regular fee.
Motor Trucks: Registration fees: 60 cents per 100 pounds if weight not over 6000 pounds. The fee increases with weight, the maximum being 90 cents when the weight is over 13,000 pounds. Minimum fee to be $\$ 25$. Half rates for registration between August 1 and November 15, and quarter rates after November 15. Motor vehicles of 16,000
pounds gross weight limit of load permitted on town roads; 20,000 Ibs. on state aid roads is limit allowed unless a permit is obtained from the State Highway Department. Non-resident trucks with manufacturer's rated capacity above 3000 lbs . must be registered in Vermont if operated on Vermont highways unless a permit is obtained before entry. Trucks of two tons ortless not to be operated more than 25 miles per hour; if over two tons, not more than 20 miles per hour; if over 4 tons, not more than 10 miles per hour on a highway. Motor trucks and trailers not to exceed 8 feet in width or 12 feet in height and must be equipped with mirror.

Insurance: Any person convicted of violating sections 86, 87, 88 and 91 of the Motor Vehicles Act, and any person whose motor vehicle is involved in an accident when it appears to the Commissioner that the operator was at fault must furnish proof of financial ability to respond in damages or lose his right to operate. Such proof may be evidence of insurance in an authorized insurance company or a bond.

## MASSACHUSETTS

Car Registration: Annually with Massachusetts Registrar of Motor Vehicles. Expires December 31.

Fees: Less than 30 horse power, $\$ 10$ when non gasoline driven and $\$ 3$ when gasoline driven; 30 to 40 horse power, $\$ 15$ when non gasoline driven and $\$ 4.50$ when gasoline driven; 40 to 50 horse power, $\$ 20$ when non gasoline driven and $\$ 6$ when gasoline driven; 50 horse power or more, $\$ 25$ when non gasoline driven and $\$ 7.50$ when gasoline driven. From October 1 to December 31 half fee.

For every gasoline driven automobile used for the transportation of goods, wares or merchandise, 15 cents for every hundred pounds of the weight of such vehicle and of its carrying capacity, but in no event less than $\$ 6$.

Driver's License: To persons 16 and over. Fee $\$ 2$. Valid one year from date of issue. First examination $\$ 2$, subsequent examination $\$ 1$.

Lights: Between half hour after sunset and half hour before sunrise. Front lights must show 200 feet, must have red light showing in rear and white light illuminating the registration number. No head lamp without a lens approved by the Registrar to prevent glaring rays.

Speed Limits.-Section 17. No person operating a motor vehicle on any way shall run it at a rate of speed greater than is reasonable and proper, having regard to traffic and the use of the way and the safety of the public. In general a car shall be operated 15 miles an hourin turning corners, in the thickly settled districts, such as the cities, the speed is 20 miles an hour and for the outlying sections, such as State highways, the speed is 30 miles an hour. Good judgment and the safety of the public are the best guides to proper speed.

Non-Residents: A non-resident may operate in this state 30 days if he is properly registered in his home State. At the expiration of 30 days he mustapply to the registry for a permission to operate longer. This permission will be granted without charge if the owner of the car submits evidence of financial responsibility or liability insurance such as is imposed by Mass. on its owners.

Insurance: Compulsory. Motor vehicles cannot be now registered in Massachusetts without being insured to cover personal injuries.

## RHODE ISLAND

Car Registration: With the State Board of Public Roads. Expires December 31.
Fees: Automobiles with pneumatic tires, minimum fee $\$ 8$ for gross weight of 2500 pounds or less. The fee increases with the gross weight. For cars whose gross weight is more than 6000 pounds the feeis $\$ 23$.
Motor Truck or Tractor with Pneumatic Tires: The fee varies with the gross weight. The minimum fee for vehicles whose gross weight is 3000 pounds or less, is $\$ 12.50$ and for vehicles whose gross weight is more than 28,000 poundsit is $\$ 100$.
For the registration of every automobile, motor truck or tractor, when equipped with other than pneumatic tires, there shall be added to the above gross weight fees a charge of ten cents for each one hundred pounds of such gross weight.
Driver's License: To persons 16 or over. Examination required. License or renewals, $\$ 2$. Valid one year from date of issue.
Lights: From one-half hour after sunset to one-half hour before sunrise. Headlights must illuminate objects 200 feet ahead. Register number must be visible sixty feet to the rear.
Speed: No person shalloperate a motor vehicle upon the public highways recklessly or at a rate of speed greater than is reasonable or proper, having due regard to the width, street intersections, conditions, traffic, weather or use of such highways, or so as to endanger property or the life or limb of any person. 20 miles per hour in thickly settled sections and 35 miles per hour elsewhere.

## CONNECTICUT

Car Registration: With the Commissioner of Motor Vehicles. Expires December 31.
Fees: Minimum fce, $\$ 15$. A pro rata reduction is allowed on applications for registration. The minimum fee for pro rated registration is $\$ 3$.
Driver's License: To persons 16 or over upon examination. Expires last day of February. Fee for license, $\$ 3$. For examination, $\$ 2$.
Lights : From half hour after sunset to one-half hour before sunrise, and when smoke or weather conditions make it impossible to see 200 feet ahead. Headlights must be visible for 500 feet in clear weather and the top of the lights not over 56 inches from the ground. Must have a redlight behind and a white light which illuminates number plates.
Speed: Motor vehicles must be operated at a speed that is reasonable, having regard to width, traffic and use of the highway, intersection of streets and weather conditions.
Non-Residents: A non-resident over 16 years of age, who has complied with the laws of his statc or country, may operate without Connecticut registration or license for the same period allowed Connecticut cars in his home state or country. Reciprocity is not extended to licensed operators of the State of New York unless they are at least eighteen years of age. A non-resident cannot operate in Connecticut any vehicle carrying passengers for hire unless he and the car are licensed in Connecticut. A non-resident cannot operate in Connecticut a commercial vehicle which carries a greater pay load than would be allowed for the same vehicle if registered in Connecticut.
Motor Trucks: Registrationfees:Having pneumatic tires on all surfaces in contact with the ground, the fee is $\$ 15.00$ on trucks of $1 / 2$ ton or less capacity with increased fees for each half-ton of increased capacity. For a 7 -ton capacity the fee is $\$ 292.50$.
Having solid rubber or cushion tires wholly or in part, the fee is $\$ 30.00$ on trucks of $1 / 2$ ton or less capacity with increased fees for each halfton of increased capacity. For a 7 -ton capacity the fee is $\$ 350.00$.
Insurance: Any person convicted of violating certain specified sections of the law relating to motor vehicles, must furnish the Commissioner with proof of financial ability to respond in damages or lose his right to operate. Such proof may be evidence of insurance or a bond or the deposit of money or collateral.

## POETRY, ANECDOTES AND PLEASANTRIES, <br> the frigath constitution <br> (Old Ironsides)

The most' historic and revered ship in the world today.

She won more battles, captured more prizes, sailed more miles, trained more navy officers and actual seamen than any other ship in the world, and doing this received less injury and sustained fewer losses than can compare with her in amount and call of service.

This beloved United States battleship fought in forty-two battles and won all of them.

In 1830 when this frigate was to be broken up as unfit for service, the following poem was written by Oliver Wendell Holmes.

Ay, tear her tatter'd ensign down!
Long has it waved on high,
And many an eye has danced to see That banner in the sky;
Beneath it rung the battle-shout,
And burst the cannon's roar;
The meteor of the ocean air
Shall sweep the clouds no more!
Her deck, once red with heroes' blood, Where knelt the vanquish'd foe,
When winds were hurrying o'er the flood, And waves were white below,
No more shall feel the victor's tread, Or know the conquer'd knee;
The harpies of the shore shall pluck The eagle of the sea!
0 , better that her shatter'd hulk Should sink beneath the wave;
Her thunders shook the mighty deep, And there should be her grave;
Nail to the mast ber holy flag,
Set every threadbare sail,
And give her to the god of storms, The lightning and the gale! Oliver W. Holmes.

The citizens and school children of America rallied to the cause and saved the ship.

In 1930 when the American Legion National Convention was held in Boston, "Old Ironsides," then restored and reequipped, was rededicated. The Legion in their endeavor to pay tribute to this historic vessel met great opposition in certain quarters, but with the backing of the President of the United

States and other high naval officials, they carried out their program.

The old ship was moved down Boston Harbor through two lines of modern battleships of the North Atlantic fleet-each ship with all colors flying; with all officers and men standing at salute on their decks; with every band playing "The Star Spangled Banner" and every gun booming a twenty-one gun salute.

Aviators flew over "Old Ironsides" dropping flowers from the air.

From her deck a program of music and speeches by some of the greatest men of our time, telling her wonderful history, was broadcast across this country from coast to coast.

## THE BACKWOODSMAN

The silent wilderness for me!
Where never sound is heard,
Save the rustling of the squirrel's foot,
And the flitting wing of bird,
Or its low and interrupted note, And the deer's quick, crackling tread, And the swaying of the forest boughs, As the wind moves overhead.

I look around to where the sky
Meets the far forest line,
And this imperial domain-
This kingdom - all is mine.
This bending heaven, these floating clouds, Waters that ever roll,
And wilderness of glory, bring Their offerings to my soul.

Though when in this my lonely home, My star-watch'd couch I press,
I hear no fond "good-night"- think not I am companionless.
O, no! I see my father's house,
The hill, tbe tree, the stream,
And the looks and voices of my home Come gently to my dream.

And in these solitary haunts, While slumbers every tree
In night and silence, GOD himself Seems nearer unto me.
I feel HIS presence in these shades, Like the embracing air;
And as my eyelids close in sleep,
My heart is hush'd in prayer.
Ephraim Peabody.

## NEW ENGLAND

My dear, my loved New England
With rivers, groves and sea. Your children thrill with love for you
Wherever they may be.
Your quaint and rambling by ways
Of picturesque Cape Cod.
Your smooth and level highways
All edged with emerald sod.
Your forests deep, of pine trees,
Like dim cathedrals stand.
Your sparkling lakes beneath the breeze
Ripple on snow-white sand.
Oh, loved and dear New England,
Where'er your children roam. These six States of the Union Are another name for home. -Russell's Rhoda.

Samson was a strong man yet could not pay money before he had it.-Proverb.

## MAIN STREET

I like t'o look at the blossomy track of the moon upon the sea,
But it isn't half so fine a sight as Main Street used to be
When it all was covered over with a couple of feet of snow,
And over the crisp and radiant road the ringing sleighs would go.

Now, Main Street', bordered with autumn leaves, it was a pleasant thing,
And its gutters were gay with dandelions early in the Spring;
I like to think of it white with frost or dusty in the heat,
Because I think it is humaner than any other street.
A city street that is busy and wide is ground by a thousand wheels,
And a burden of traffic on its breast is all it' ever feels:
It is dully conscious of weight and speed and of work that never ends,
But it cannot be human like Main Street, and recognise its friends.

There were only about a hundred teams on Main Street in a day,
And twent'y or thirty people, I guess, and some children out to play.
And there wasn't a wagon or buggy, or a man or a girl or a boy
That Main Street didn't remember, and somehow seem to enjoy.

The truck and the motor and trolley car and the elevated train
They make the weary city street reverberate with pain:
But there is yet an echo left deep down within my heart
Of the music the Main Street cobblestiones made beneath a butcher's cart.

God be thanked for the Milky Way that runs across the sky,
That's the path that my feet would tread whenever I have to die.
Some folks call it a Silver Sword, and some a Pearly Crown,
But the only thing I think it is, is Main Street, Heaventown.
-Joyce Kilmer.
Truth is as impossible to be soiled by the outward touch as the sunbeam.-Milton.

## Things Our Ancestors Langhed At 141 Years Ago

A CLERGYMAN observed to his friend, that upon the last Sabbath, he was much disturbed by a Cow, who looked in at the door, and bellowed in his face. Sir, says the other, a Calf has no right in the Pulpit.
-Old F'armers' Almanac, 1793.

A JUSTICE of the Peace, remarked to a Clergyman who rode on elegant horse, that he was prouder than his master. Why really, Sir, retorted the Parson, so many asses have been converted of late, into Justices, that. I could not find one to ride upon.
-Old Farmers' Almanac, 1793.

John Bunker and Bill Springer owned adjoining farms up New Hampshire way and were great friends until certain happenings in connection with their livestock caused much trouble and a serious feud sprang up.

In that year there was an epidemic of kidnaping through an influx of a foreign element and one gang, (only knowing about the old friendship) wrote a black-hand letter to Bill Springer saying, "Send us $\$ 5,000$ at once or wc shall kidnap your neighbor, John Bunker."

Bill wrote right back to the secret address given, saying, "Yours reccived. Sorry I haven't got that much money, but I am very much interested in your proposition."

In a certain town of Northern Vermont a group of young people having put on successfully one of the old-time dramas decided they would go on the road and make a tour of the state.

They returned home rather unexpectedly and on their arrival one of the selectmen who met them asked, "Did you play Burlington?"
"Oh yes!" answered the leading man, "we played Burlington."

Selectman: "Did you have a long run?"

Leading man: "No, they only chased us ten miles."

AN old continental arrived at an inn, and asked for refreshment. The hostess set before him a bone of ham, and crust of bread. Her son, who had been an officer, gave the poor fellow a shilling when he had done picking, and bid him march off. Soon after the old woman comes in, to look for her pay. Mother, says the officer, what might the picking that bone be worth? - Why about one and six pence, these hard times. Well, cries the humane son, I have made a fine bargain, and saved six pence, for I gave him but a shilling to pick the whole.
-Old Farmer's Almanac, 1793.

Medic: The right leg of the patient is shorter than the left, which causes him to limp. Now what would you do in a case of this kind?

Voice (from rear of classroom): Doc, I'd limp, too.
-College Humor.
Professor: I would like a preparation of phenylisothiocyanate.

Drug Clerk: Do you mean mustard oil?

Professor: Yes, I can never think of that name.
-Coe Zip 'N Tang.
Byron swam the Hellespont', Ederle the English channel, I merely waded in the lake,

And I'm all wrapped up in flannel.
-Western Reserve Red Cat.

The thread of our life would be dark, Heaven knows! if it were not with friendship inter-twined.-Thomas Moore.

Dost thou love life? Then do not squander time, for that is the stuff life is made of.-Benj. Franklin.

I am in love with this green earth.-Charles Lamb.

## ADVICE TO THE LADIES 137 YEARS AGO

"To all the Ladies whom it may concern ;
"'rhat a good wife should be like three things; which three things she should not be like:
"First, she should be like a snail, always keep within her own house; but she should not be like a snail to carry all she has upon her back:
"Second, she should be like an echo, to speak when she is spoke to ; but she should not be like an echo, always have the last word:
"Third, she should be like a town clock, always keep time and regularity; but she should not be like a town clock, to speak so loud, that all the town may hear her."
-old Farmer's Almanac, 1796.

## THE NEW FEDERAL TAXES <br> Enacted on June 6, 1932

## INCOME TAXES

Every single person (whether or not head of a family) and every marricd person not living with husband or wife, earning more than $\$ 1,000$ must file a return. Every married person, living with husband or wife, earning $\$ 2,500$ or more must file a return. Where the combined earnings of both are $\$ 2,500$ or more a return is required, or each may file a return, dividing the exemption in any manner they may agree upon.

If the cross income is $\$ 5,000$ or more, a return is required even if the net income is less than the personal exemption. Gross income is defined as gains, profits and income derived from salaries, wages, compensation for personal services, profits from professions, trades, business, commerce, or sales, dealings in property, rent, interest, dividends, securities, or gains or profits derived from any source whatever. In a trading concern gross income means gross sales less the cost of goods sold, such cost, however, not to include overhead which is chargeable to selling or office costs.

## INCOME 'TAX TABLE FOR 1932 INCOME RETURNED IN 1933 Explanation

The Table following is for a married person or the head of a family, with a personal exemption of $\$ 2,500$, having no dependents and receiving no dividends or partially exempt interest.


To determine the tax of a single person (without dependents, dividends, or partially exempt interest), the total tax as shown in the above table should be increased by $\$ 120$ where the net income exceeds $\$ 6,500$. On smaller amounts the tax of such a person is as follows:

| Net Income | Tax |
| :---: | :---: |
| $\$ 1,000$ | None |
| 2,000 | $\$ 40$ |
| 3,000 | 80 |
| 4,000 | 120 |
| 5,000 | 160 |
| 6,000 | 240 |




## TAX RATE COMPARISON TABLE—Continued

| Excise Taxes |  |  |
| :---: | :---: | :---: |
|  | 1928 Act | 1932 Act |
| Lubricating oils | None | 4 c a gal. |
| Automobiles-passenger | None | $3 \%$ |
| Automobiles-trucks | None | $2 \%$ |
| Automobile accessories ${ }^{1}$ | None | $2 \%$ |
| Grape concentrates | None | 20 c a gal |
| If containing more than $35 \%$ of sugar by weight. |  |  |
| Brewers Wort |  | 15 c a gall |
| Liquid malt; malt syrup |  | 3c per lb. |
| Note: Liquid malt containing less than 15 per centum of solids by weight shall be taxable as brewers wort. |  |  |
| Malt syrups, liquid and extract | None | 3 c a 1 b . |
| Chewing gum | None | 2\% |
| Radios and phonograph records | None | 5 \% |
| Toilet preparations ${ }^{2}$ | None | 10\% |
| Jewelry ${ }^{3}$ | None | $10 \%$ |
| Sporting goods | None | 10\% |
| Cameras ${ }^{4}$ | None | $10 \%$ |
| Firearms, shells and cartridges | None | 10\% |
| Mechanical refrigerators | None | $5 \%$ |
| Furs | None | $10 \%$ |
| Gasoline | None | 1 c a gal. |
| Rubber tires | None | $21 / 4 \mathrm{c}$ al |
| Inner tubes | None | 4 c a 1 b . |
| Wooden matches | None | 2c per M . |
| Paper matcbes in books | None | $1 / 2$ of $1 \%$ per M. |
| Candy | None |  |
| Cereal beverages | None | $11 / 4 \mathrm{c}$ a gal. |
| Unfermented grape juice | None | 5 c a gal. |
| Fountain syrups | None | 6 c a gal. |
| Syrups for bottled carbonated beverages | None | 5 c a gal. |
| Natural or artificial mineral waters or table waters <br> (0) over $121 / 2 \mathrm{c}$ per gal. |  |  |
| All still drinks ${ }^{5}$. |  | 2c per gallon |
| Carbonic acid gas | None | 4 ca a b . |
| ${ }^{1}$ Not including tires and tubes. |  |  |
| ${ }^{2}$ Excluding soap, dentifrices and moutb washes, on which the rate is $5 \%$. |  |  |
| ```3 Articles sold for $3.00 or more; Watcbes, clocks, parts for watcbes or clocks sold for more than 9c each. 4 Weighing not more than 100 lbs. 5 Excluding cider.``` |  |  |


| Import Taxes |  |  |
| :---: | :---: | :---: |
|  | 1928 Act | 1932 Act |
| Lubricating oils ${ }^{6}$ | None | 4 c a gal. ${ }^{\text {a }}$ |
| Crude petroleum and fuel oil | None | $1 / 2 \mathrm{c}$ a gal. |
| Gasoline | None | $21 / 2 \mathrm{c}$ a gal. |
| Paraffin and otber petroleum wax products | None | 1c a lb. |
| Lumber | None | \$3 per Mift. |
| Coal, coke, and briquets | None | 10 c per cwt. |
| Copper | None | 4 c a lb. |
| Other Taxes |  |  |
|  | 1928 Act | 1932 Act |
| Telegraph messages | None | $5 \%$ |
| Telephone conversations, when charge is 50c or more | None | 10 to 20 c |
| Leased wire . . . . . . | None | 5\% |
| Radio and cable messages | None | 10 c flat |
| Postal rates (first class) |  | 1 c addtl. |
| Postal rates |  | increased |
| Oil Pipe lines transportation . . . . . . . . . . . . . | None | 4\% |
|  | 10 cents | or fraction thereof |
| Bank checks . | None | 2c |
| Safe deposit boxes | None | 10\% |
| Boats | None | license fee based |
| Electricity sales . . . . . . . . . . . . . . . . . . . . . . . . . | None | on size $3 \%$ |

${ }^{8}$ Imported lubricating oils are exempt from import tax.
740 c exemption.

# GAME AND FISH LAWS 

## OPEN SEASON 1932-1933

FIRST AND LAST DAYS INCLUSIVE (See exceptions)

|  | Me. | N. H. | Vt. | Mass. | R. I. | Conn. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Deer | See Note | See Note | See Note <br> Nov. 21 to <br> Nov. 30 | See Note <br> Dec. 5 to <br> Dec. 10 | See Note No Open Season | See Note No Open Season |
| Moose and Caribou | No Open Season | No Open Season | No Open Season | No Open Season |  |  |
| Gray <br> Squirrel | Oct. 1 to Oct. 31 | No Open Season | Oct. 1 to Oct. 31 | Oct. 20 to Nov. 20 | $\begin{gathered} \text { Nov. } 1 \\ \text { to } \\ \text { Dec. } 31 \end{gathered}$ | Oct. 20 to Nov. 23 |
| Hare and Rabbit | See Note <br> Oct. 1 to <br> Mar. 31 | Oct. 1 to Feb. 28 | $\begin{aligned} & \text { Oct. } 1 \\ & \text { to } \\ & \text { Feb. } 28 \end{aligned}$ | See Note <br> Oct. 20 to <br> Feb. 15 | $\begin{gathered} \text { Nov. } 1 \\ \text { to } \\ \text { Dec. } 31 \end{gathered}$ | See Note <br> Nov. 1 to <br> Dec. 15 |
| Partridge | $\begin{aligned} & \text { Oct. } 1 \\ & \text { to } \\ & \text { Nov. } 9 \end{aligned}$ | See Note <br> Oct. 1 to Nov. 30 | $\begin{aligned} & \text { Oct. } 1 \\ & \text { to } \\ & \text { Oct. } 31 \end{aligned}$ | See Note <br> Oct. 20 to <br> Nov. 20 | See Note <br> Nov. 1 to <br> Dec. 31 | See Note <br> Oct. 20 to <br> Nov. 23 |
| Quail | No Open Season | $\begin{aligned} & \text { Oct. } 15 \\ & \text { to } \\ & \text { Nov. } 15 \end{aligned}$ | Sept. 15 to Nov. 30 | See Note Oct. 20 to Nov. 20 | Nov. 1 to Dec. 31 | Close <br> Season |
| Woodcock | Oct. 1 to Oct. 31 | Oct. 1 to Oct. 31 | Oct. 1 to Oct. 31 | Oct. 20 to Nov. 19 | Nov. 1 to Nov. 19 | Oct. 20 to Nov. 19 |
| Duck | Oct. 16 to Dec. 15 | Oct. 16 to Dec. 15 | Oct. 16 to Dec. 15 | $\begin{gathered} \text { Oct. } 16 \\ \text { to } \\ \text { Dec. } 15 \end{gathered}$ | $\begin{gathered} \text { Oct. } 16 \\ \text { to } \\ \text { Dec. } 15 \end{gathered}$ | Oct. 16 to <br> Dec. 15 |
| Goose | Oct. 16 to Dec. 15 | Oct. 16 to Dec. 15 | Oct. 16 to Dec. 15 | $\begin{gathered} \text { Oct. } 16 \\ \text { to } \\ \text { Dec. } 15 \end{gathered}$ | Oct. 16 to <br> Dec. 15 | Oct. 16 to Dec. 15 |
| Ruffed Grouse | Oct. 1 to Nov. 9 | See Note <br> Oct. 1 to Nov. 30 | $\begin{aligned} & \text { Oct. } 1 \\ & \text { to } \\ & \text { Oct. } 31 \end{aligned}$ | See Note <br> Oct. 20 to <br> Nov. 20 | Nov. 1 to Dec. 31 | See Note <br> Oct. 20 to Nov. 23 |
| Brant | Oct. 16 to Dec. 15 | Oct. 16 to Dec. 15 | $\begin{aligned} & \text { Oct. } 16 \\ & \text { to } \\ & \text { Dec. } 15 \\ & \hline \end{aligned}$ | $\begin{gathered} \text { Oct. } 16 \\ \text { to } \\ \text { Dec. } 15 \end{gathered}$ | $\begin{aligned} & \text { Oct. } 16 \\ & \text { to } \\ & \text { Dec. } 15 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { Oct. } 16 \\ & \text { to } \\ & \text { Dec. } 15 \end{aligned}$ |
| Wilson Snipe | Oct. 1 to Dec. 31 | Oct. 1 to Dec. 31 | Oct. 1 to Dec. 31 | Oct. 1 to Dec. 31 | Oct. 1 to Dec. 31 | Oct. 1 to Dec. 31 |
| Coot | $\begin{gathered} \text { Oct. } 16 \\ \text { to } \\ \text { Dec. } 15 \end{gathered}$ | Oct. 16 to Dec. 15 | Oct. 16 to Dec. 15 | Oct. 16 to Dec. 15 | Oct. 16 to Dec. 15 | Oct. 16 to Dec. 15 |
| Rail | $\begin{aligned} & \text { Sept. } 1 \\ & \text { to } \\ & \text { Nov. } 30 \end{aligned}$ | Sept. 1 to Nov. 30 | $\begin{aligned} & \text { Sept. } 1 \\ & \text { to } \\ & \text { Nov. } 30 \end{aligned}$ | Oct. 1 to Dec. 15 | Sept. 1 to Nov. 30 | Sept. 1 to Nov. 30 |
| Gallinule | Sept. 1 to Nov. 30 | Sept. 16 to <br> Dec. 31 | Sept. 1 to Nov. 30 | Oct. 1 to Dec. 15 | Oct. 16 to <br> Dec. 15 | Sept. 1 to Nov. 30 |

The several States have authority to curtail the seasons and bag limits fixed by Federal regulations, but the Federal restrictions may not beexceeded. The Federal regulations are amended from time to time to meet changing conditions, and persons intending to hunt migratory game birds should therefore procure from the Biological Survey of the Department of Agriculture at Washington, copies of the latest regulations.

## NOTES, EXCEPTIONS AND LICENSES <br> GAME LAWS

For other information, consult the Fish and Game Commissioner of each state. All dates inclusive.

These laws are in force when this Almanac goes to print, November, 1932, and have been substantiated by the Fish and Game Commissioner in 'each New England State.

## MAINE

Caribou and Moose, closed season.
Deer may be hunted in the northern county of Aroostook from Oct. 16 to Nov. 30, inclusive.
Deer may be hunted in the southern counties of Androscoggin, Cumberland, Kennebec, Knox, Lincoln, Sagadahoc, Waldo and York Counties from Nov. 1 to Nov. 30, inclusive.
Deer may be hunted in Hancock, Washington, Penobscot, Somerset, Piscataquis, Franklin and Oxford Counties from Nov. 1 to Dec. 15 inclusive.
Hunting of wild animals is prohibited from an hour after sunset to an hour before sunrise, with the exception of skunks and raccoons.
Hunting of wild birds is prohibited from sunset to half an hour before sunrise.
Wild Hares or Rabbits, open season in the counties of Androscoggin, Sagadahoc, Cumberland and York from Oct. 1-Feb. 28.
Hunting and Fishing Licenses: Fees. (1929, c. 331, sec. 16.)
Any resident and his immediate family may without license hunt on land owned by him, or leased by him and on which he is actually domiciled and which is used exclusively for agricultural purposes.

Resident hunting license costs sixty-five cents annually. Combination hunting and fishing license, for residents, costs one dollar and fifteen cents annually. Fishing license for residents 65 c annually.

Non-resident hunting license, for wild birds, rabbits, raccoons, foxes and unprotected wild birds or wild animals only, costs five dollars and fifteen cents annually; for both wild birds and wild animals, fifteen dollars and fifteen cents annually. Non-resident fishing license $\$ 5.15$ for one year, $\$ 3.15$ for 30 days.

Failure to produce such license within a reasonable time when requested by any authorized person shall be prima facie evidence of the violation of law.

Hunting licenses shall not be issued to any non-resident under eighteen years of age unless the written consent of the parent or guardian is attached to the application, but any resident under sixteen years of age may hunt without a license, if accompanied at all times by parent or guardian.

## NEW HAMPSHIRE

Governor and council may suspend open season in time of excessive drought or emergency.
Deer: Open season. Wild deer may be captured or taken after 5:00 a. m. and before 6:00 p.m. as follows: in the County of Coos, except in the towns of Dalton, Whitefield and Carroll from Oct. $15-$ Dec. 1 ; in the County of Grafton, and the towns of Dalton, Whitefield and Carroll, in the County of Coos from Nov. 1--Dec. 16; in the County of Carroll from Nov. 15-Dec. 16; in the County of Cheshire from Dec. 1-Dec. 16 ; in the County of Rockingham from Dec. 15-Jan. 1 and from all the other Counties in the State from Dec. 1-Jan. 1.
No person shall take more than one deer in one season. These provisions shall not apply to deer in private game reserves.
Hunting and Fishing Licenses: Non-resident: Game and fish, $\$ 15.15$; fish, $\$ 3.15$. Resident: Game and fish, $\$ 2.00$. Resident soldiers and
sailors more than 70 years of age may obtain license free on application to fish and gane commissioner. Fishing licenses not required of children under 16 or of blind persons. Issued by commissioner or his agent in each town, who, with few exceptions is the town clerk. Children under 16 may hunt without license when accompanied by licensed parent or guardian. Resident owner of farm lands and his minor children may hunt during open season on own land without license. Guide: Non-resident, $\$ 20$; resident, $\$ 1$. Issued by commissioner.

## VERMONT

Landowner, member of his family, or authorized employee may kill deer doing damage to his fruit trees or crops; but person under whose direction a deer is so killed must, within 12 hours, report the matter in a signed statement to nearest fish and game warden. Deer may also be killed at any time in orchard zones established by commissioner, but such killing must forthwith be reported to owner of orchard and county warden.
Deer, one deer with horns not less than 3 incheslong, Nov. 21-Nov. 30, open season., both dates inclusive excepting Sundays.

A person shall not take a wild deer in Franklin Co. at any time.
Closed season on moose, elk, and caribou.
English Snipe, Plover (other than Upland Plover) and shore birds, Oct. 1 - Dec. 1, open season.
Pheasants, or European Partridge, Upland Plover and Wood Duck, no open season.
Hunting and Fishing Licenses: Non-resident: Game and fish, $\$ 10.50$; fish, $\$ 3.15$. (Rcciprocal.) Resident: Game and fish, $\$ 1.50$; game, $\$ 1$; fish, $\$ 1$. Issued by town clerks. Citizens of United States who own $\$ 1,000$ taxable property in Vermont pay same fees as resident. Alien resident who has not declared his intention, pays same fees as nonresident; declarant resident for six months in State pays same fees as resident.

Hunting licenses not issued to persons under 16 without written consent of parent or guardian. Owners of farm lands and their resident minor children or tenants may hunt without a license on own lands during open season. Fishing license not required of persons under 15.

## MASSACHUSETTS

Deer: Open season Dec. 5-Dec. 10. No open season in Nantucket County. Daily closed season one-half hour after sunset to one-half hour before sunrise. No hunting dogs to be at large during open season on deer.
Ruffed Grouse, open season Oct. 20-Nov. 20 inclusive.
Quail, Closed season in Essex, Hampden, Hampshire, Berkshire, Franklin, Middlesex, Nantucket and Worcester Counties. On Ruffed Grouse and Quail, director may reduce bag limit; suspend or modify season.
Pheasants, open season, Oct. 20-Nov. 20. (Closed in Dukes County.) Cocks only in Nantucket, Berkshire, Franklin and Hampshire.
Hares and Rabbits, open season: in Nantucket County Oct. 20 to last day of February.
European Hares may be killed in Berkshire County at any time.
Licenses: Sporting license required for hunting and fishing in inland waters.

Citizen (resident for six months), sporting license $\$ 2.75$, trapping $\$ 5.25$. Non-residents, sporting $\$ 10.25$, trapping $\$ 10.25$. Alien, sporting $\$ 15.25$, trapping $\$ 15.25$. Trapping and fishing license to minors between $15-18$ yrs. of age $\$ 1.25$ and written consent of parents.

Fees after January 1, 1933: Citizens, sporting, $\$ 3.25$; hunting, $\$ 2.00$; fishing, $\$ 2.00$. Minors and women, fishing, $\$ 1.25$; trapping, $\$ 5.25$. Minors, trapping, $\$ 2.25$. Non-resident Citizens, sporting, $\$ 15.25$; hunting, $\$ 10.25$; fishing, $\$ 5.25$ : trapping, $\$ 15.25$.

## RHODE ISLAND

No Open Season on Hungarian partridges. Swans, wood duck, curlew, willet, godwits, black brcasted and golden plover, greater and lesser yellowlegs, and all the smaller shore birds except those for which open seasous are provided as above stated, are protected at all times under the Federal regulations.
New Shoreham Pheasants protected except first and third Wednesdays in November and first Wednesday in December. Limit two per day. Jamestown Pheasants protected except first and second Mondays in November. Limit two per day.

Note. It is a state offense to import live game birds or animals without first obtaining a permit from the Game Commissioner, or to send or carry out of the state partridge, quail, woodcock, wild ducks', wild swans, wild geese, rails, shore, marsh or beach birds.
Hunting and Fishing Licenses: Nonresident: Game, $\$ 10.00$; fish, $\$ 2.50$ Alien: Game, $\$ 15.00$; fish, $\$ 2.50$, alien resident for 1 year; $\$ 5$, alien not resident for 1 year. Resident: Game, $\$ 2.00$; fish, $\$ 1.25$. Issued by city and town clerks. Fishing license not required of women. nor of males under 18. License not required of resident or his immediate family to hunt on own or leased agricultural lands on which actually domiciled; non-resident owning real estate valued at notless than $\$ 500$, and nonresident member or guest of club incorporated for hunting or fishing purposes prior to Jan. 1, 1909, which owns real estate assessed for taxation at value of not less than $\$ 1,000$, may procure license at a fee of $\$ 2.25$; licenses not issued to minors under 15 . Consent of owner required for hunting upland game birds on land of another from January 1 to October 31. Migratory game birds may be taken only from onehalf hour before sunrise to sunset.

## CONNECTICUT

Governor may suspend open seasons during time of drought.
Deer: Owners of agricultural lands, member of family, or employee may kill deer with a shotgun or, under permit, with a rifle, at any time on such lands when deer are damaging fruit trees or growing crops, but such killing or wounding must be reported to the commissioners within 12 hours.
Hare, Rabbit (except European, Belgian, or German hare and jack rabbit, no closed season): Nov. 1-Dec. 15, open season.
Pheasant (male only): Oct. $20-$ Nov. 23 , open season.
No person shall kill any Hungarian Partridge prior to Oct. 20, 1933.

Quail-Closed season, 1932.
Hunting and Fishing Licenses: Non-resident: Game, $\$ 10.35$; Game and fish, $\$ 14.35$; fish, $\$ 5.35$. Resident citizen: Game, $\$ 3.35$; game and fish, $\$ 5.35$; fish, $\$ 3.35$.

Hunting license not issued to persons under 16, and fishing license not required of such persons. Resident and his children may hunt or fish during open season without licensc on land on which he is actually domiciled, if such land is not used for club, shooting, or fishing purposes. Licensee must report amount of game killed, and must wear license button on outer garment. Alien: Not permitted to hunt. Taxidermist, $\$ 5$.

Hunting license exceptions: Non-resident citizen owning improved real estate in Connecticut to the value of $\$ 1,000$ or more or any lineal descendant of such non-resident may procure a license for the same fee as a resident.

Fishing license-Non-residents residing in a state the non-resident fee of which is in excess of $\$ 5.35$, shall be charged the same fee in this state. Aliens or their lineal descendants owning real estate situated in the state assessed for the purpose of taxation in the amount of $\$ 500$ or more and non-residents or lineal descendants of same own-
ing improved real estate situated in the state assessed for the purpose of taxation in the amount of $\$ 1,000$ or more may procure a license for the same fee as a resident.

## FISH LAWS.

## MAINE

Open Season:

## Lakes and Ponds

Salmon, Landlocked Salmon, Trout, and Togue, from the time the ice is out of the lakes and ponds to Sept. 30. White Perch from June 21 to Sept. 29. Black Bass from June 21 to Sept. 30, except that not more than three black bass in one day may be caught by fly fishing from June 1 to June 20, inclusive.

## Rivers Above Tide Waters

Salmon, Landlocked Salmon, Trout, and Togue, from the time the ice is out of the river to Sept. 14. Black Bass from June 21 to Sept. 30, except that not more than 3 Black Bass in any one day may be caught by fly fishing from June 1 to June 20 inclusive. White Perch from June 21 to Sept. 14.

## Brooks and Streams Above Tide Waters

Sea Salmon, from the time ice is out of brooks and streams to Sept. 14.
Landlocked Salmon from the time the ice is out of the brooks and streams to August 15.
White Perch, from June 21 to Sept. 14. Togue, from the time the ice is out of the brooks and streams to Sept. 30. Black Bass, from June 21 to Sept. 30, except that not more than three black bass in any one day may be caught by fly fishing from June 1 to June 20 inclusive. Minimum length of Landlocked Salmon 12 in., Trout or White Perch 6 in., Black Bass 10 in. Trout, ice out to August 15.

## NEW HAMPSHIRE

## Open Season:

Brook, Rainbow, Brown Trout, Coos, Carroll, and Grafton Counties, May 1 to Sept. 1. All other counties, Apr. 15 to Aug. 1. Limit- 5 lbs. per day. Minimum length: ponds, 7 in., streams, 6 in. Lake Trout, Jan. 1 to Sept. 1. Limit-4 per day, minimum length 15 in . Salmon, Apr. 1 to Sept. 1. Limit-4 per day, minimum length 15 in. Aureolus Trout, Apr. 15 to Sept. 1. Limit- 4 per day, minimum length 12 in. Black Bass, July 1 to Jan. 1. Limit- 10 lbs. per day, minimum length 9 in. With fly only from June 15 in Winnepcsaukee, Sunapee, Asquam and Wentworth Lakes. Pike Perch, June 1 to March 1. Limit-none, minimum length $10 \mathrm{in}$. White Perch, Junc 1 to Nov. 1. Limit- 10 lbs., minimum length 7 in . Pickerel, June 1 to Jan. 16. Limit- 10 lbs. per day, minimum length 12 in . Shad, Winnepesaukec, Jan. 1 to June 15. Limit-12 per day. Winnepesaukee, Paugus Lake, June 15 to Oct. 1. 6 per day. Horned Pout, June 15 to Nov. 1. Limit- 40 per day. Can be taken anytime in waters in Coos County and Connecticut River. Smelt. Limit-10 lbs. per day. With a dipnet not over 48 in. in diameter.

## VERMONT

Open Season: General Rule. Consult Fish Commissioner of State for exceptions.
Brook Trout, Brown Trout, Lock Leven, Steeliead and Rainbow Trout, Greyling or Black Spotted Trout, May 1 to Aug. 15, not less than 6 in . long, not more than 25 fish or 5 lbs. Golden Trout, Lake Trout and Land-locked Salmon, May 1 to Sept. 1, not less than 15 in . long, not more than 10 lbs .
NOTE.-See General Laws for exceptions to above applying to Forest Lake, Big Averill Lake, Little Averill Lake, in Essex County; Willoughby Lake, Orleans County and Lake Mitchell, Windsor County.
(It is illegal to take any of the fish enumerated above two hours after sunset and one hour before sunrise.)

Black Bass, not less than 10 in . long, not more than 10 fish, July 1 to Jan. 1. (Cannot be sold) Muskallonge (except Lake Champlain), June 15 to Apr. 15. Pike Perch (Wall-Eyed Pike), not less than 10 in. long, not more than 25 lbs., May 1 to Mar. 1. Pickerel, not less than 12 in. long, May 1 to Mar. 15.

Shooting and Spearing in certain waters March 15 to May 15. (Consult Fish Com.)

## MASSACHUSETTS

## General Rules, all dates inclusive. Open Season.

Trout, Apr. 15 to July 31, 6 inches or more long, daily limit 15. Fishing prohibited 2 hours after sunset to 1 hour before sunrise. Deerfield River May 30 to Aug. 31, 12 inches or more in length, 5 Trout per person per day. Fish may be taken only with a single rod and line attached to be held in the hand.
Salmon, Apr. 15 to Nov. 30, 12 inches or more in length, 5 in a day.
Pickerel, May 1 to Feb. 28, 12 inches or more long, 10 in a day. Pike Perch, May 1 to Feb. 28, 12 inches or more, 5 in a day. Muscallonge, May 1 to Jan. 31, 20 inches or more long.
White Perch, June 1 to Feb. 28, 7 inches, except in Dukes and Nantucket Counties. Horned Pout, June 15 to Feb. 28, 30 fish in 24 hours. Black Bass, July 1 to Jan. 31, 10 inches or more long, 6 in a day.

Fish frequenting fresh water may be taken only by single hook attached to each line, except 3 flies may be used on each line. Limit 10 hooks.

## RHODE ISLAND

Open Season: Dates inclusive. Consult Fish Commissioner of State for exceptions.

Consult Fish Commissioner of State concerning restrictions regarding seining.
Black Bass, June 20 to Feb. 20, 10 inches or more long, 8 in a day. White Perch not less than 6 inches, daily limit 20. Yellow or Striped Perch, 6 inches or more long, daily limit 30. Pickerel. June 20 to Feb. 20, 10 inches or more long, daily limit 18. Trout, Apr. 1 to July 15, 7 inches or more long, daily limit 20.
Fishing in fresh water restricted to lines operated by hand with not over 2 hooks upon each. Through the ice, 10 lines with a single hook upon each. Restricted to daylight hours and lines must be personally attended.

## CONNECTICUT

Open Season: Dates inclusive. Consult Fish Commissioner of State for exceptions.
Trout, other than lake trout, April 15th to June 30th, legal length 6 inches, limit 10 pounds in any one day or not more than 20 trout. Sale of trout prohibited.
Lake Trout from April 15 to August 31, legal length 10 inches. Pickerel from April 15 to Jan. 31, legal length 12 inches, bag limit 10. Alewives from Mar. 1 to May 31. Black Bass from July 1 to Oct. 31, legal length 10 inches, bag limit 10. Lamprey Eels, Mar. 1 to May 15. Striped Bass shall not be taken in the inland waters except by angling, legal length $12 \mathrm{in}. \mathrm{Perch} ,\mathrm{Yellow} \mathrm{and} \mathrm{White}$, 7 in . Limit, a total of 30 of both kinds, except for ice fishing.
NOTE.-The above is not a complete transcript of the Fish and Game Laws. It is intended merely as a concise statement of the provisions most likely to be of general interest.
Consult Fish Warden of each county for exceptions.

## POSTAL RATES.-DOMESTIC.

First Class Matter may be forwarded from one Post Office to another witbout additional postage, but other matter must bave new postage.

## LETTERS AND POSTAL CARDS. - FIRST CLASS.

Written and Typewritten Matter, each ounce and fraction
Post Cards and Private Mailing Cards wbicb comply with Departmental requirements
Business Reply Cards or Letters, consalt Post Office.

## NEWSPAPERS AND PERIODICALS-SECOND CLASS.

Entire Newspapers or Magazines wben mailed by the public; for each two ounces or fraction, regardless of distance or weight Fourtb class rate applies when it is lower tban second class.

## MERCHANDISE AND MISCELLANEOUS.-THIRD CLASS.

(Limit of weight 8 ounces.)
Merchandiso, incomplete copies of newspapers, printed and other mailable matter, eacb 2 ounces or fraction.
Books, catalogues (must be of 24 or more pages and substantially bound, with at least 22 pages printed, seeds, cuttings, bulbs, roots, scions and plants, 2 ounces or fraction.
Plain Printed Cards containing no writing other than the address, and not conforming with regulation size of Post Card, shall be considered Third Class and mailed for
Permit Mail. Envelopes, folders, etc., wbich are to be mailed under Third Class permit privileges sbould indicate the amount of postage paid.
Bulk Mailings. Applications for bulk mailing privilege sbould be submitted to the Post Office.

## PARCEL POST.-FOURTH CLASS.

(For Zone consult Post Office)
Everything over 8 ounces, including books and printed inatter, except First Class and newspapers and other periodicals entered as Second Class matter mailed by the publishers or the public:Table of fourth-class or parcel-post rates effective October 1, 1932

| $\begin{aligned} & \text { Weight } \\ & \text { in } \\ & \text { pounds } \end{aligned}$ | Local | ZONES |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 4 h | 5 th | 6th | 7 th | 8th |
|  |  | $\mathrm{Up}_{50}$ | 50 |  | 300 to | 600 to | 1.000 to | 1,400 to | Over |
|  |  |  | 150 |  | 600 | 1,000 | 1,400 | 1,800 | 1,800 |
| 1 | \$0.07 | miles | miles | miles | miles | miles | miles | miles | miles |
| \% | \$0.07 | $\$ 0.08$ | \$0.08 | \$0.09 | \$0.10 | \$0.11 | \$0.12 | \$0.14 | \$0.15 |
| $\frac{1}{3}$ | . 08 | . 11 | . 10 | . 11 | . 14 | . 17 | . 19 | 23 | . 26 |
| 4 | . 09 | . 12 | . 112 | .15 | . 17 | $-2$ | . 26 | . 32 | . 37 |
| 5 | . 09 | . 13 | .13 | . 17 | -2 | -33 | . 30 | 41 | . 48 |
| 6 | . 10 | . 14 | . 14 | . 19 | . 28 | . 38 | .47 | - 59 | .59 |
| 7 | . 10 | . 15 | . 15 | .21 | . 31 | . 43 | . 54 | . 69 | . 81 |
| 8 | . 11 | . 16 | . 16 | 23 | . 35 | . 49 | . 61 | . 77 | . 92 |
| 9 | . 11 | . 17 | . 17 | . 25 | . 38 | . 54 | . 68 | . 86 | 1.03 |
| 10 | . 12 | . 18 | . 18 | . 27 | . 42 | . 59 | . 75 | . 95 | 1.14 |
| 11 | . 12 | . 19 | . 19 | . 29 | . 45 | . 64 | . 82 | 1.04 | 1.25 |
| 12 | . 13 | . 21 | . 21 | . 31 | . 49 | . 70 | . 89 | 1.13 | 1.36 |
| 13 | . 13 | . 22 | . 22 | . 33 | . 52 | . 75 | . 96 | 1.22 | 1.47 |
| 14 | . 14 | .23 | . 23 | . 35 | . 56 | . 80 | 1.03 | 1.31 | 1.58 |
| 15 | . 14 | . 24 | . 24 | . 37 | . 59 | . 86 | 1.10 | 1.40 | 1.69 |
| 16 | . 15 | . 25 | . 25 | . 39 | . 63 | . 91 | 1.17 | 1.49 | 1.80 |
| 17 | . 15 | . 27 | . 26 | . 41 | . 66 | . 96 | 1.24 | 1.58 | 1.91 |
| 18 | . 16 | . 27 | . 7 | . 43 | . 70 | 1.02 | 1.31 | 1.67 | 2.02 |
| 19 | . 16 | 28 | .28 | . 45 | . 73 | 1.07 | 1.38 | 1.76 | 2.13 |
| 20 | . 17 | .29 | 29 | . 47 | . 77 | 1.12 | 1.45 | 1.85 | 2.24 |
| 21 | .17 | . 30 | . 30 | . 49 | . 80 | 1.17 | 1.52 | 1.94 | 2.35 |
| 22 | . 18 | .32 | . 32 | . 51 | . 84 | 1.23 | 1.59 | 2.03 | 2.46 |
| 23 | . 18 | . 33 | . 33 | . 53 | . 87 | 1.28 | 1.66 | 2.12 | 2.57 |
| 24 | . 19 | . 34 | . 34 | . 55 | . 91 | 1.33 | 1.73 | 2.21 | 2.68 |
| 25 | . 19 | . 35 | . 35 | . 57 | . 94 | 1.39 | 1.80 | 2.30 | 2.79 |
| $\stackrel{2}{2}$ | . 20 | . 36 | . 36 | . 59 | . 98 | 1.44 | 1.87 | $\stackrel{2}{2} .39$ | 2.90 |
| 27 | 20 | . 37 | . 37 | . 61 | 1.01 | 1.49 | 1.94 | 2.48 | 3.01 |
| 28 | . 21 | . 38 | . 38 | . 63 | 1.05 | 1.55 | 2.01 | 2.57 | 3.12 |
| 29 | . 21 | . 39 | . 39 | . 65 | 1.08 | 1.60 | 2.08 | 2.66 | 3.23 |
| 30 | . 22 | . 40 | . 40 | . 67 | 1.12 | 1.65 | 2.15 | 2.75 | 3.34 |
| 31 | . 22 | . 41 | . 41 | . 69 | 1.15 | 1.70 | 2.22 | 2.84 | 3.45 |
| 32 | . 23 | . 43 | . 43 | . 71 | 1.19 | 1.76 | 2.29 | 2.93 | 3.56 |
| 33 | .23 | . 44 | . 44 | . 73 | 1.22 | 1.81 | 2.36 | 3.02 | 3.67 |
| 34 | . 24 | . 45 | .45 | . 75 | 1.26 | 1.86 | $\stackrel{2}{2} .43$ | 3.11 | 3.78 |
| 35 | . 24 | .46 | .46 | . 77 | 1.29 | 1.92 | 2. 50 | 3.20 | 3.89 |
| 36 | . 25 | .47 | .47 | . 79 | 1.33 | 1.97 | 2.57 | 3.29 | 4.00 |
| 37 | . 25 | . 48 | . 48 | . 81 | 1.36 | 2.02 | 2.64 | 3.38 | 4.11 |
| 38 | . 26 | . 49 | . 49 | . 83 | 1.40 | 2.08 | 2.71 | 3.47 | 4.22 |
| 39 | . 26 | . 50 | . 50 | . 85 | 1.43 | 2.13 | 2.78 | 3.56 | 4.33 |
| 40 | . 27 | . 51 | . 51 | . 87 | 1.47 | 2.18 | 2.85 | 3.65 | 4.44 |
| 41 | . 27 | . 52 | . 52 | 89 | 1.50 | 2.23 | 2.92 | 3.74 | 4.55 |
| 42 | . 28 | . 54 | . 5 | . 91 | 1.54 | $\stackrel{2}{29}$ | 2.99 | 3.83 | 4.66 |
| 43 | . 28 | . 55 | . 55 | . 93 | 1.57 | 2.34 | 3.06 | 3.92 | 4.77 |
| 44 | . 29 | . 56 | . 56 | . 95 | 1.61 | 2.39 | 3.13 | 4.01 | 4.88 |


| $\begin{aligned} & \text { Weight } \\ & \text { in } \\ & \text { pounds } \end{aligned}$ | Local | $\begin{aligned} & \text { 1st } \\ & \text { Up to } \\ & \text { s0 } \\ & \text { miles } \end{aligned}$ | ZONES |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 2d | 3 d | 4th | 5th | 6th | 7 th | 8th |
|  |  |  | 50 to | 150 to | 300 to | 600 to | 1,000 to | 1,400 to | Over |
|  |  |  | 150 | 300 | 600 | 1,000 | 1,400 | 1,800 | 1,800 |
|  |  |  | miles | miles | miles | miles | miles | miles | miles |
| 45 | . 29 | . 57 | . 57 | . 97 | 1.64 | 2.45 | 3.20 | 4.10 | 4.99 |
| 46 | . 30 | . 58 | . 58 | . 99 | 1.68 | 2.50 | 3.27 | 4.19 | 5.10 |
| 47 | . 30 | . 59 | . 59 | 1.01 | 1.71 | 2.55 | 3.34 | 4.28 | 5.21 |
| 48 | . 31 | . 60 | . 60 | 1.03 | 1.75 | 2.61 | 3.41 | 4.37 | 5.32 |
| 49 | . 31 | . 61 | . 61 | 1.05 | 1.78 | 2.66 | 3.48 | 4.46 | 5.43 |
| 50 | . 32 | . 62 | . 62 | 1.07 | 1.82 | 2.71 | 3.55 | 4.55 | 5.54 |
| 51 | . 32 | . 63 | . 63 | 1.09 | 1.85 | 2.76 | 3.62 | 4.64 | 5.65 |
| 52 | .33 | . 65 | . 65 | 1.11 | 1.89 | 2.82 | 3.69 | 4.73 | 5.76 |
| 53 | . 33 | . 66 | . 66 | 1.13 | 1.92 | 2.87 | 3.76 | 4.82 | 5.87 |
| 54 | . 34 | . 67 | . 67 | 1.15 | 1.96 | 2.92 | 3.83 | 4.91 | 5.98 |
| 55 | . 34 | . 68 | . 68 | 1.17 | 1.99 | 2.98 | 3.90 | 5.00 | 6.09 |
| 56 | . 35 | . 69 | . 69 | 1.19 | 2.03 | 3.03 | 3.97 | 5.09 | 6.20 |
| 57 | . 35 | . 70 | . 70 | 1.21 | 2.06 | 3.08 | 4.04 | 5.18 | 6.31 |
| 58 | . 36 | . 71 | . 71 | 1.23 | 2.10 | 3.14 | 4.11 | 5.27 | 6.42 |
| 59 | .36 | . 72 | . 72 | 1.25 | 2.13 | 3.19 | 4.18 | 5.36 | 6.53 |
| 60 | . 37 | . 73 | . $73^{*}$ | 1.27 | 2.17 | 3.24 | 4.25 | 5.45 | 6.64 |
| 62 | . 38 | . 76 | .76 | 1.31 | 2.24 | 3.35 | 4.39 | 5.63 | 6.86 |
| 63 | . 38 | . 77 | . 77 | 1.33 | 2.27 | 3.40 | 4.46 | 5.72 | 6.97 |
| 64 | . 39 | . 78 | . 78 | 1.35 | 2.31 | 3.45 | 4.53 | 5.81 | 7.08 |
| 65 | . 39 | . 79 | . 79 | 1.37 | 2.34 | 3.51 | 4.60 | 5.90 | 7.19 |
| 66 | . 40 | . 80 | . 80 | 1.39 | 2.38 | 3.56 | 4.67 | 5.99 | 7.30 |
| 67 | . 40 | . 81 | . 81 | 1.41 | 2.41 | 3.61 | 4.74 | 6.08 | 7.41 |
| 68 | . 41 | . 82 | . 82 | 1.43 | 2.45 | 3.67 | 4.81 | 6.17 | 7.52 |
| 69 | . 41 | . 83 | . 83 | 1.45 | 2.48 | 3.72 | 4.88 | 6.26 | 7.63 |
| 70 | .42 | . 84 | . 84 | 1.47 | 2.52 | 3.77 | 4.95 | 6.35 | 7.74 |
|  |  |  |  | EXCEP | IONS |  |  |  |  |

(a) In the first or second zone, where the distance by the shortest regular practicable mail route is 300 miles or more, the rate is 9 cents for the first pound and 2 cents for each additional pound.
(b) On parcels collected on rural routes the postage is 2 cents less per parcel than shown in the foregoing table when for local delivery and 3 cents less per parcel when for other than local delivery.
(c) Parcels weighing less than 10 pounds measuring over 84 inches, hut not more than 100 inches in length and girth combined, are subject to a minimum charge equal to that for a 10 -pound parcel for the zone to which addressed.

Limit of size for parcels is 100 inches in length and girth combined. Limit of
weight is $\mathbf{7 0}$ pounds in all zones.
Llbrary Books. A special rate is allowed under certain conditions. (Inquire at Post Office as to requirements.)

## SPECIAL HANDLING.

Parcels will receive first-class handling if, in addition to regular postage, there
is added-
2 lbs or less
Over 10 lhs. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 20

## SPECIAL HANDLING WITH SPECIAL DELIVERY.

Parcels of fourth-class matter will be given the same expeditious handling and transportation as is accorded first-class matter, and also special delivery at the office of address, upon prepayment of the following charge in addition to the regular postage: Up to 2 pounds 15 cents; over 2 pounds up to 10 pounds 25 ceuts; over 10 pounds 35 cents.

REGISTERED MAIL.

| Not to exceed \$ $\$ 5$ | 0.15 | Not to exceed | \$500 | 70 |
| :---: | :---: | :---: | :---: | :---: |
| Not to exceed 25 | . 18 | Not to exceed | 600 | 80 |
| Not to exceed 50 | . 20 | Not to exceed | 700 | . 8 |
| Not to exceed 75 | . 25 | Not to exceed | 800 | . 90 |
| Not to exceed 100 | . 30 | Not to exceed | 900 |  |
| Not to exceed 200 | . 40 | Not to exceed | 1000 | 1.00 |

Not to exceed 200 ............. . . 40
Not to exceed 300 . . . . . . . . . . . 50
Not to exceed 1000 . . . . . . . . . 1.00
Not to exceed 400 . . . . . . . . . . . 60

## YOSTAL MONEY ORDERS.

## For Orders

| Fro | \$0.01 to | \$2.50.... 6 |
| :---: | :---: | :---: |
| From | $\$ 2.51$ to | \$5.00.... 8 |
| From | \$5.01 to | \$10.00 . . . 11 |

From $\$ 10.01$ to

## For Orders

From $\$ 20.01$ to $\$ 40.00 \ldots 15$ cents From $\$ 40.01$ to $\$ 60.00 \ldots .18$ cents From $\$ 60.01$ to $\$ 80.00 \ldots 20$ cents From $\$ 80.01$ to $\$ 100.00 \ldots .22$ cents

## POSTAL RATES.-FOREIGN

Letters.-For the places in the following list the postal rate is $\mathbf{3}$ certs each ounce or fraction. For all other foreign destinations, 5 ceits first ounce and 3 cents eaeh additional ounce or fraction: Andorra (Repnblic), Argentina, Balcaric Islands, Bolivia, Brazil, Canada, Canary Islands, Chile, Colombia, Costa Rica, Cuba, Dominican Republic, Eenador, Guatemala, Haiti, Honduras (Republic), Labrador, Mexico, Newfoundland, Nicaragua, Panama, Paraghay, Peru, Salvador, El; Spain, including Alhucemas Island, Ceuta. Chafarinas or Zafarini Islands, Melilla, Penon de Velez de la Gomera, and Tangicr. Uruguay, Venezuela,
Post Cards. Single post cards for places cnumerated above 2 cents; maximum size $6 \times 41 / 4$ inches, minimum size $4 \times 23 / 4$ inches. Single post cards for all other foreign destinations 3 cents.
Printed Mattcr, 1 1 1 2 cents for each two ounces or fraction. Limit of weight 4 lbs., 6 oz ., iu general.
Samples of merchandise.-For all foreign destinations, $\mathbf{1} 1 / 2$ cents each 2 ounces or fraction, with a minimum charge of 3 cents. Limit of weight: 18 ounces. Maximum dimensions: 18 inehes in length, 8 inches in width, and 4 inches in thickness, except when in the form of a roll they are 18 by 6 inches.
Commercial papers.-For all foreign destinations, $11 / 2$ cents each 2 ounces or fraction, with a minimum charge of 5 cents. Limit of weight and maximum dinensions: Same as for printed matter.
Merchandise. Packages of merchandise, to the countries enumerated above, weighing 8 ounces or less 2 cents for each 2 ounces or fraction thereof, except in the case of merchandise consisting of seeds, scions, plants, cuttings, bulbs and roots for which the charge is $1 \frac{1}{2}$ cents each 2 ounces or fraction thereof. (This is not parcel post and must not have a customs declaration attached.)
Registration fee.-For all foreign destinations, 15 cents ja addition to postage. When a return receipt is requested at the time of mailing, there is an additional charge of 5 cents therefor, and a charge of 10 cents when requested after mailing.

## INTERNATIONAL PARCEL POST.

Countries.-Packages of mailable merchandise may be transmitted by parcel post to practically all countries. At the present time C.O.D. service is restricted to parcels exchanged with Mexico, Germany, Sweden and Finland.
Allowable Dimensions (general).-Greatest length, $31 / 2$ feet; greatest length and girth combined, 6 feet, except to certain countries, information concerning which may be obtained from the Official Postal Guide.
Small Packets. (New class of mail) July 1, 1930.
Consult Post Office

## POSTAL MONEY ORDERS.-INTERNATIONAL.

Limit of a Single Order, $\$ 100$.
For Orders from-


## AIR MAIL SERVICE.

8 cents for first ounce, 13 cents second ounce and each succeeding ounce, to any part of the United States. This same rate applies to Canada, Cuba, Newfoundland, Mexico, and The Bahainas.

## STATE AGRICULTURAL EXPERIMENT STATIONS AND COUNTY AGENTS.

## MAINE

Locatlon
Orono
Director of Station......Dr. Fred Griffee Director of Extension Service Arthur I. Deering
County Igents. . . . . . Leader, George Lord Androscoggin \& Sagadahoc, L. Eastman - Auburn

Aroostook, Verne C. Beverly. Richard C. Dolloft, Asst.-Presque Isle Cumberland, W. S. Rowe-Portland Franklin, Ralph Corbett-Farmington Hancock, Gardner Tibbetts-Ellsworth Kennebec, C. A. Day-Augusta
Knox-Lincoln, R. C. Wentworth-Rockland
Oxford, Donald II. Ridley-South Paris Penobscot, M. S. Smith-Bangor Piscataquis, Oscar Wyman-Dover-Foxcroft
Somerset, G. C. Dunn-Skowhegan
TValio, N. S. Donahue-Belfast
Washington, R. W. Hobson-Machias
York, R. H. Lovejoy-Sanford

## NEV HAMPSHIRE

Location ..... Durham
Director of Station.........J. C. Kendall
Director of Extension Service
J. C. Kendall

County Agents:
Belknap, Royal W. Smith-Laconia Carroll, Errol C. Perry-Conway Cheshire, W. Leon Funkhouser-Keene Coos, D. A. O'Brien-Lancaster Grafton, W. Ross Wilson-Woodsville Hillsboro, E. W. Pierce-Mllford Merrimack, E. W. Holden-Concord Rockingham, J. A. Purington-Exeter Strafford, E. A. Adams-Rochester Sullivan, H. N. Wells-Claremont

## VERMONT

## Location

Burlington
Director of Station
J. E. Carrigan, Acting Director

Director of Extension Service
J. E. Carrigan

County Agents......Leader, H. WV. Soule. Addison, R. O. Randall-Middlebury Bennington, J. A. McKee-Bennington Caledonia, W. A. Dodge-St. Johnsbury Chittencien, G. R. Ware-Burlington Franklin, Ralph Caldwell MeWilliams, -St. Albans
Grande Isle, S. C. Painter-North Hero Lamoille, F. D. Jones-Morrisville Orange, T. M. Small-Chelsea Orleans, J. L. MaeDermid-Newport Rutland, T. J. Cook-Rutland Washington, Hjalmar Alfred Aronson, - Montpeller

Windham, Drimund Morton Root-Brattleboro
Windsor, Clarence Rann Carlton-White River Junction

## MASSACHUSETTS

Location
Amherst
Director of Station.. Fred J. Sievers
Dlrector of Extension Service
Willard A. Munson
County Agents:
Barnstable, B. Tomlinson-Barnstable
Berkshire, H. J. Talmage-Pittsfleld
Bristol, Warren L. Ide-Segreganset
Dukes, E. F. Elkberg-Vineyard Haven Essex, Francis C. Smith-Hathorne Franklin, Joseph H. Putnam-Greenfleld Hampden, Wilbur T. Locke.
-West Springfield
Hampshire, A. S. Leland-Northampton
Middlesex, A. F. MacDougall-Concord
Norfolk, Earl M. Ricker-Walpole
Plymouth, Janes W. Dayton, Brockton Worcester, G. F. E. Story-Worcester.

## RHODE ISLAND

Location
Hingston
Director of Station......Basil E. Gilbert Director of Extension Service
G. E. Arlams

County Agents:
Eastern Rhode Island, S. D. HollisNewport
Northern Rhode Island, W. H. WoodProvidence
Southern Rhode Island, Ralph S. Shaw -East Greenwich

## CONNECTICUT

Location . . ........Storrs and New Haven Director of Stations........... W. L. Slate Director of Extension Service

Benjamin W. Ellis County Agents:

Fairffeld, LeRoy M. Chapman-Danbury Hartford, Charles D. Lewis-Hartford Litchfleld, Raymond P. Atherton-Litchfleld
Middlesex, Philip F. Dean-Middletown
New Haven, Raymond K. Clapp-New Haven.
New London, Walter T. Clark-Norwich Tolland, Ernest E. Tucker-Tockville Windham, Raymond E. Wing-Putnam

## CULLEGES, PROFESSIONAL AND NORMAL SCHOOLS IN NEW ENGLAND.

## DAINE

## Bates College-Lewiston

Bowdoin College-Brunswick
Colby College-Waterville
University of Maille-Orono
State Normal School-Castine
State Normal School-Farmington
State Normal School-Fort Kent
State Normal School-Gorham
S'tate Normal School-Machias
State Normal Sehool-Tresque Isle
Theological Seminary-Bangor

## Junior Collegres

Nasson Institute-Springvale
Ricker Classical Institute and Junior Col-lege-Houlton
Westbrook Seluinary and Junior CollegePortland

## NEW HADHSHIRE

Dartmouth College-Hanover
(Including Medical, Tuck School of Administration and Finanee and Tlayer School of Civil Engineering.)
Unlversity of New Hampshire-Durhans
St. Anselm's College-Manchester
State Normal Schools-Keene
State Normal Schools-Plymouth

## VERMONT

Bennington College-Bennington
Middlebury College-Middlebury
Norwich University-Nortlifield
St. Michael's College-Winooski Parls
State Normal Schools-Castleton
State Normal Schools-Johnson
State Normal School-Lyndon Ctr.
Triuity College, Inc.-Burlington
University of Vermont and State Agricultural College-Burlington
Vermont State School of AgricultureRandolph Center

## MASSACHUSE'NTS

American International Collego-Springfleld
Amherst College-Amherst
Andover Theological Seminary-Cambridre
Assumption College of Woreester-Worcester
Atlantie Union College-Lancaster
Boston College-Chestnut IIill
Boston Ecelesiastical Seminary (St. John's)-Brighton
Boston University-Boston
Clark University-Worcester
College of the Holy Cross-Worcester
College of Our Lady of the Elms-Chicopee
College of Physieians and SurgeonsHoston
Eastern Nazarene College-Wollaston
Emerson College of Oratory-Boston
Emmanue] College-Boston
Episcopal Theological Seminary-Cambridge
Gordons College of Theology and Mis -sions-Boston
Marvard University-Cambridge
Hehrew Teachers' College-Roston
International Y.M.C.A. College-Springfield
Jackson College-Medford
Lowell Textile School-Lowelt
Massachusetts State College-Amherst
Massachusetts College of Osteopathy-

Massachusetts Colloge of Pharmacy-Bostoll
Alassachusetts Department of Education: State Teachers' College-Bridgewater State 'Teachers' College-Fitchburg Stato Teachers' College-Framingham State Teachers' College-Lowelı State Teachers' College-Salem State Teachers' College-Worcester Massachusetts Scliool of Art-Boston
Massachusetts Institute of TeclinologyCambriage
Midalesex College of Medicine and Sur-gery-Cambriclge
Mount Holyoke College-South Hadley
New England Conservatory of MusicBoston
Northeastern Uniserslty-Boston
Portia Lav School-Boston
Radcliffe: College--Canbridge
Regis College for Women (The)-Newton and Weston
Siminons College-Boston
Suitll College-Northampton
Suffolk Law School-Boston
The Teachers College of the City of Bos-ton-Boston
The Newton Theological InstitutionNewton
Tufts College-Medford
Wellesley College-Wellesley
Wheaton College-Norton
Williams College-Williamstown
Worcester Polytechuic Institute-Worcester

## RHODE ISIAND

Rhode Island State College-Kingston
Rhode Island College of EducationProvidenco
Brown University-Providence (Including Pembroke College for Women.)
Providence College-Providenee
Rlode Island College of Pharmacy and Allied Sciences-Providence
Rhode Island School of Design-Providence
Bryant Stratton College-Providence
New England College of Podiatry-Irovidence

## CONNECTICUT

Albertus Magnus College-New Haven
Berkeley Divinity School-Middletown (Episcopal)
City Normal School-Bridgeport
Connecticut Agricultural College-Storrs
Connectlcut College for Women-New London.
Hartford Seminary Foundation-Hartford (Interdenominational)
Hartford Theological Seminary-Hartford (Ortho. Cong.)
State Normal School-Danbury
State Normal School-New Britain
State Normal School-New Haven
State Normal School-Willimantie
Trinity College-Hartford
Wesleyan University-Middletown
Yale University-New Havell (Academic, Fine Arts, Forestry, Law, Medical, Musie, Scientifle and Theologieal Departments.)

## RADIO STATIONS OF NEW ENGLAND.



## Licensee, studio and transmitter location

Power Frequency

## Connecticut

Bridgeport Broadcasting Station, Inc., Bridgeport, Conn. WDRC, Inc., Hartford, Conn. WTIC, Travelers Broadcasting Serrice Corp., Hartford, Conn. Connecticut Agricultural College, Storrs, Conn.

| $(250 \mathrm{w})$ | 600 |
| :--- | ---: |
| $(500 \mathrm{w}$ |  |
| 500 w |  |
| 50 kw | 1330 |
| 250 W | 1060 |
|  | 600 |

Wrdo, Inc., Augusta, Me. $100 \mathrm{w} \quad 1370$ First Universalist Society of Bangor 100 w 1200 Maine Maine Brdestg. Co., Inc., Bangor, 500 w 620 Me
Congress Square Hotel Co., Port-
1 kw 940

Aroostook Brdcstg. Corp., Presque 100 w Isle, Me.1420
Ray
Mass. ..... 1410Mass.
Westinghouse Electric \& Mfg. Co., $25 \mathrm{kw}^{4}$
Boston, Mass. ..... 990
Boston, Mass. ..... 590
Mratheson Radio Co., Inc., Boston, 1 kw (LT) ..... 830Boston Brdcstg. Co., Boston (100 w)1500
Shepard Brdestg. Scrvice, Inc., 1 kw ..... 1230Boston, Mass.
Doughty \& Welch Electric Co., 250 w ..... 1450Inc., Fall River, Mass.
Carl S. Wheeler, trading as Lex- (100 w) ington Air Station, Lexington, ..... (250 w LS) ..... 1370Mass.Broadcasting Service Organization, 500 w (D) 920Inc., Needham, Mass.
Irving Vermilya, trading as New $100{ }^{\mathrm{w}}$

| Bedford Brdestg. Co., New Bed- |
| :--- |
| ford, Mass. | $\mathbf{~} 250^{\mathrm{Ls}}$ )ford, Mass.Westinghouse Electric \& Mfg. Co., $1 \mathrm{kw} \quad 990$

Boston, Mass.Alfred Frank Kleindienst, Wor- 100 wcester, Mass.Worcester Telegram Puhlishing 250 w 580
Co., Inc., TVorcester, Mass.New HampshireLaconia ..... WKAVManchester .. WFEA ${ }^{2}$Laconia Radio Cluh, Laconia, N.H.1310
Portsmouth .. WHEB
Rhode Island
Newport . . . WMBAProvidence . . . WEANProvidence . . . WJARProvidence . . . WPRO
Vermont

| Burlington | WCAX | Burlington Daily News, Inc., Burlington, Vt. | 100 W | 1200 |
| :---: | :---: | :---: | :---: | :---: |
| Rutland | WSYB | Philip Weiss Music Co., Rutland, Vt. | $\begin{aligned} & 100 \\ & 250 \\ & (\mathrm{D}) \end{aligned}$ | 1500 |
| St. Alhans | TWQDM | A. J. St. Antoine, St. Alhans, Vt. | 100 W (D) | 1370 |
| Springfield | WNBE | WNBX Broadcasting Corp. Springfield, Vt. | 250 (D) | 1260 |
| Waterbury | WDEV | Harry C. Whitehill, Waterbury, Vt. | 500 w (D) | 550 |

[^0]
## COURTS IN NEW ENGLAND

Below are given the names of the places where the different Court Records are kept in the custody of the Clerks of Court, Registers of Prohate or other such officers.

United States-First and Second Cireuits.
First Circuit. Circuit Court of Appeals at Boston;-District Court of Maine at Portland;-of Massachusetts at Boston;-of New Hampshire at Con-cord;-of Rhode Island at Providence.

Second Circuit. Circuit of Appeals at New York City;-District Court of Vermont at Burlington;-of Connecticut at New Haven;- Northern District of New York at Utica;-Eastern District of New York at Brooklyn;-Southern District of New York at New York City;-Western District of New York at Buffalo. Maine.
The Supreme Judicial Court holds eight Law Terms, five at Augusta and thrce at Portland. This is the Court of last resort. It also meets in several counties for Equity and other matters as occasion requires. The Superior Court which is a Circuit Court holds terms in thesixteen counties of the State, terms comprising a minimum of two in Lincoln and Piscataquis, and a maximum of ten in Cumberland County.

Superior Court convenes in the following places:Androscoggin County at Auhurn, Aroostook County at Houlton or Caribou, Cumberland County at Portland, Franklin County at Farmington, Hancock County at Ellsworth, Kennehec County at Augusta or Waterville, Knox County at Rockland, Lincoln County at Wiscasset, Oxford County at South Paris or Rumford,Penobscot County at Bangor,Piscataquis County at Dover-Foxcroft, Sagadahoc County at Bath, Somerset County at Skowhegan, Waldo County at Belfast, Washington County at Machias or Calais, and York County at Alfred.

Superior Court is a trial court. Clerks of the Supreme Judicial Courts in the several counties are also Clerks of the Superior Court.

Probate Courts are County Courts and meet in the County seat of each county.

## New Hampshire.

Supreme Court at Concord:-Superior Court and Prohate Courts:-Rockingham Co. at Exeter;-Strafford Co. at Dover;-Belknap Co. at Laconia;-Carroll Co. at Ossipee;-Merrimack Co. at Concord;-Hillsborough Co. at Nashua and Manchester:- Cheshire Co. at Keene;-Sullivan Co. at Newport;-Grafton Co. at Woodsville;-Coos Co. at Lancaster.

## Vermont.

Supreme Court, County Court and Court of Chancery:-Addison Co. at Middlehury;-Bennington Co. at Bennington;-Caledonia Co. at St. Jolenshury;Chittenden Co. at Burlington;-Essex Co. at Guildhall;-Franklin Co. at St. Alhans;-Grand Isle Co. at North Hero;-Lamoille Co. at Hyde Park;-Orange Co. at Chelsea;-Orleans Co. at Newport;-Rutland Co. at Rutland;-Washington Co. at Montpelier;-Windham Co. at Brattleboro;-Windsor Co. at Woodstock. Prohate Courts:-Where the Prohate District consists of an entire County its records are in the same places above. Other Prohate records as follows:-Addision Dist. at Middlehury;-New Haven Dist. at Vergennes;-Bennington Dist. at Bennington;-Manchester Dist. at Manchester;-Bradford Dist. at Wells River;-Randolph Dist. at Chelsea;-Rutland Dist. at Rutland;-Fairhaven Dist. at Castleton;-Marlboro Dist. at Brattlehoro;-Westminster Dist. at Bellows Falls;-Windsor Dist. at Ludlow;-Hartford Dist. at Woodstock. The records of each Probate District are in the custody of its Judge of Prohate. Massachusetts.
Supreme Judicial Court for the Commonwealth at Boston. Supreme Judicial Court, Superior Court, and Prohate Courts:-Barnstable Co. at Barnstahle;Berkshire Co. at Pittsfield;-Bristol Co. at Taunton;-Dukes Co. at Edgartown, (see helow);-Essex Co. at Salem;-Franklin Co. at Greenfield;-Hampden Co. at Springfield;-Hampshire Co. at Northampton;-Middlesex Co. at Cambridge;-Nantucket Co. at Nantucket, (see helow);-Norfolk Co. at Ded-ham;-Plymouth Co. at Plymouth;-Suffolk Co. at Boston;-Worcester Co. at Worcester;--except that the records of the Supreme Judicial Court in cases arising in the Counties of Dukes County and Nantucket are at Taunton. Land Court at Boston.

## Rhode Island.

Supreme Court at Providence. Superior Court:-Providence and Bristol Counties at Providence;-Kent Co. at East Greenwich;-Washington Co. at South Kingstown;-Newport Co. at Newport. In each City and Town there is a Court having Prohate jurisdiction within its limits. In towns which have not elected a Judge of Prohate the Town Councils act as Prohate Courts.

## Connecticut.

Supreme Court of Errors:-All sessions at Hartford. Superior Court:-Hartford Co. at Hartford; and at Danhury (at Bridgeport and Danhury);-New Haven Co. at New Haven and Waterbury;-Fairfield Co. at Bridgeport;-New London Co. at Norwich;-Litchfield Co. at Winsted;-Middlesex Co. at Middletown;Windham Co. at Putnam;-Tolland Co. at Rockville. Courts of Common Pleas for such Counties as have these Courts are as follows:-Hartford Co. at Hartford;New Haven Co. at New Haven;-Fairield Co. at Bridgeport:-New London Co. at Norwich;-Litchfield Co. at Litchfield and Common Pleas Court, for Waterhury Judicial District. There are 113 Prohate Districts;- 84 of these Districts consist of one town only; each of the remaining Districts comprises more than one town. The records of each District are in the custody of its Judge of Probate.

## STATE ELECTIONS IN NEW ENGLAND.

In all the New England States, Legislatures and Governors are now elected every second year. The next elections will be in 1934. All these elections are on the Tuesday next after the first Monday in November, except that in Maine. which is on the second Mouday in September.

## LEGISLATURES IN NEW ENGLAND.

Sessions Comyence as Follows :
Maine. First Wednesday of January, 1933, and each alternate year.
New Hampshire. FirstWednesday of January, 1933, and each alternate year.
Vermont. Wednesday after the first Monday of January, 1933, and each alternate year.

Massachusetts. First Wednesday of January, each year.
Rhode Island. First Tuesday of January, each year.
Connecticut. Wednesday after the first Monday of January, 1933, and each alternate year.

## HOLIDAYS IN NEW ENGLAND.

The following days are legal Holidays. If the day falls on Sunday the day following is usually kept as a Holiday. Thanksgiving and Fast are appointed by State or National authority.

Maine. Feb. 22, Apr. 19, May 30, July 4, 1st Mon. Sept., Nov.11, Thanksgiving and Christmas. Jan. 1 is a Bank and School Holiday but not a Legal Holiday. New Hampshire. Jan. 1. Feb. 22, Fast, May 30, July 4, 1st Mon. Sept., Oct.12, Nov. Election Day, Nov. 11, Thanksgiving and Christmas. Vermont. Jan. 1, Feb. 22, May 30, July 4, Aug. 16, 1st Mon. Sept., Oct. 12, Nov. 11, Thanksgiving and Christmas. Massachusetts. Jan. 1, Feb. 22, Apr. 19, May 30, Jnly 4, 1st Mon. Sept. Oct. 12, Nov. 11, Thanksgiving and Christmas. Rliode Island. Jau. 1, Feb. 22, 2 d Fri. May, May 30, July 4, 1st Mon. Sept., Oct. 12, Nov. Election Day, Nov. 11, Thanksgiving and Christmas. Connecticut. Jan. 1, Feb. 12, Feb. 22, Fast, May 30, July 4, 1st Mon. Sept., Oct. 12, Nov. 11, Thanksgiving and Christmas.

## UNITED STATES WEATHER BUREAU.

Small Craft Warning. A red pennant indicates that moderately strong winds that will interfere with the safe operation of small craft are expected. No night display of suall craft warnings is made.

Northeast Storm Warning. A red pennant above a square red flag with black center displayed by day, or two red lanterns, one above the other, displayed by night, indicates the approach of a storm of marked violence with winds beginning from the northeast.

Southeast Storm Warming. A red penuant below a square red flag with black center displayed by day, or one red lantern displayed by night, indicates the approaci of a storm of marked violence with winds begiuning from the southeast.

Southwest Storm Warning. A white pennant below a square red flag with black center displayed by day, or a white lautern below a red lantern displayed by night, indicates the approach of a storm of marked violence with winds beginning from the smuthwest.

Northwest Storm Warning. A white peunant above a square red flag with black center displayed by day, or a white lantern above a red lantern displayed by night, indicates the approach of a storm of marked violeuce with wiuds beginning from the northwest.

Hurricane, or Whole Gale Warning. Two square flags, red with black centers, one above the other, displayed by day, or two red lauterns, with a white lantern between, displayed by night, indicate the approach of a tropical hurricane, or of one of the extremely severe and dangerous storms which occasionally occur.

## PRESIDENT AND VICE-PRESIDENT.

Prcsident. . . . . . . . . . . . . Franklin D. Roosevelt . . . . . . . . . . New York Vicc-President . . . . . . . . . Joun N. GarNer. . . . . . . . . . . . . . . . . . Texas

Members of the Cabinet ( U p to Jarch 4,1933 , when new Cabinet will be appointed by the Iresident-Elect) - Seeretary of state, Heniey L. Stimson, New York; Secretary of the Treasury, Oqden L. Mills, New York: Sceretary of War, Fatrick J. Hurles, Oklahoma; Attorney General, Willidu D. Mitcifell, Minnesota; Postmaster General, Waliter F. Brown, Ohio ; Scerctary of the Navy, Charles F. Adams, Massachusetts; Secretary of the Interior, RAy Lyman Wilbur, California; Seeretary of Agriculture, Artilur Mastick Hyde, Missouri ; Secretary of Commerec, Robert P. Lamont, Illinois; Secretary of Labor, William Nuckles Doak, Virginia.

MEMBERS 73RD CONGRESS FROM NEW ENGLAND. (1st Session, 1933)

## SENATORS

Terms expire March 4th in the rear following each name Maine.-Wallace H. White, Jr., R., Lewiston, 1937 ; Frederick Hale, R., Portland, 1935. New Hampshire.-Fred H. Brown, D., Somersworth, 1939 ; Henry Wilder Keyes, R., Haverhill, 1937. Vermont.Warren R. Austin, R., Burlington, 1937 ; Porter Liuman Dale, R., Island Pond, 1939. Massaelinsetts.-David I. Walsh, D., Fitchburg, 1935 ; Marcus A. Coolidge, D., Fitchburg, 1937. Rhode Island.-Felix Hebert, R., West Warwick, 1935 ; Jesse H. Metcalf, R., Providence, 1937. Con-necticut.-Fredcric Collin Walcott, R., Norfolk, 1935 ; A. Lonergan, D'., Hartford, 1939.

## REPRESENTATIVES

## Terms of all expire Mareh 4th, 1935

Maine.-1st District, Carroll L. Beedy, R., Portland ; 2nd District, Edward C. Moran, Jr., D., Rockland; 3rd District, John G. Utterback, D., Bangor. New Hampshire.-1st District, William N. Rogers, D., Wakefield; 2nd District, Charles II. Tobey, R., Temple. Vermont.-At Large, E. W. Gibson, R., Brattleboro. Massachusetts.-1st District, Allen T. Treadway, R., Stockbridge ; 2nd District, Williain J. Granfield, D., Longmeadow ; 3rd District, Frank H. Foss, R., Fitchburg ; 4th District, Pehr G. INolmes, R., Worcester ; 5th District, Edith N. Rogers, R., Lowell; 6th District, A. Piatt Andrew, R., Gloucester; 7th District, William P. Connery, Jr., D., Lynn ; Sth District, Arthur D. Ilealey, D., Somerville; 9th District, Robert Luce, R., Waltham; 10th District, George Holden Tinkham, R., Boston; 11th District, John J. Douglass, D., Boston; 12 th District, John W. McCormack, D., Boston; 13th District, Richard B. Wigglesworth, R., Milton ; 14th District, Joseph W. Martin, Jr., R., North Attleboro; 15th District, Charles L. Gifford, R., Barnstable. Rhode Island.-1st D'istrict, Francis B. Condon, D., Central Falls; 2nd District, John M. O'Connell, D., Providence. Connce-ticut.-At Large, Charles M. Bakewcll, R., New Haven; 1st District, Herman P. Koppleman, D., Hartford ; 2nd District, William L. Higgins, R., Coventry ; 3rd District, Francis T. Maloney, D., Meriden; 4th District, Schuyler Merritt, R., Stamford; 5th District, Edward W. Goss, R., Waterbury.

## UNITED STATES SUPREME COURT

Chicf Justice, Charles Evans Hughes, of N. Y.; Associate JusticesBenjamln N. Cardozo, of N. Y.; Willis Van Devanter, of Wyoming; James C. Mcreyyolds, of Tennessee; Louis D. Brandeis, of Massachusetts; George Sutherland, of Utah; Pierce butler, of Minnesota; Offen Josephus Roberts, of Pennsylvania; Harlan f. Stone, of New Hampshire.

## PRESIDENTS OF THE UNITED STATES

| No. and Name | Politics | $\begin{gathered} \text { Native } \\ \text { State } \\ \hline \end{gathered}$ | Born | Inaug. | Age at Inaug. | Date of Death | Age at Death |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1. George Washington | Fed. | Va. | 1732, Feb. 22 | 1789 | 57 | 1799, Dec. 14 | 67 |
| 2. John Adams. | Fed. | Mass. | 1735 , Oct. 30 | 1797 | 61 | 1826, July 4 | 90 |
| 3. Thomas Jefferso | Rep. | Va. | 1743, Apr. 13 | 1801 | 57 | 1826, July | 83 |
| 4. James Madison | Rep. | Va . | 1751, Mar. 16 | 1809 | 57 | 1836, June 28 | 85 |
| 5. James Monroe | Rep. | Va. | 1758, Apr. 28 | 1817 | 58 | 1831, July | 73 |
| 6. John Quincy Adams | Rep. | Mass. | 1767, July 11 | 1825 | 57 | 1848, Feb. 23 | 80 |
| 7. Andrew Jackson. | Dem. | N. C. | 1767, Mar. 15 | 1829 | 61 | 1845, June 8 | 78 |
| 8. Martin Van Buren | Dem. | N. Y. | 1782, Dec. 5 | 1837 | 54 | 1862, July 24 | 79 |
| 9. William Henry Ha | Whig | Va . | 1773 , Feb. 9 | 1841 | 68 | 1841, Apr. 4 | 68 |
| 10. John Tyler.. | Dem. | Va. | 1790, Mar. 29 | 1841 | 51 | 1862, Jan. 17 | 71 |
| 11. James Knox Polk | Dem. | N. C. | 1795, Nov. 2 | 1845 | 49 | 1849, June 15 | 53 |
| 12. Zachary Taylor | Whig | Va . | 1784, Nov. 24 | 1849 | 64 | 1850, July | 65 |
| 13. Millard Fillmore | Whig | N. Y. | 1800, Jan. 7 | 1850 | 50 | 1874, Mar. | 74 |
| 14. Franklin Pier | Dem. | N. H. | 1804, Nov. 23 | 1853 | 48 | 1869, Oct. | 64 |
| 15. James Buchana | Dem. | Pa . | 1791, Apr. 23 | 1857 | 65 | 1868, June | 77 |
| 16. Abraham Lincoln | Rep. | Ky. | 1809, Feb. 12 | 1861 | 52 | 1865, Apr. 15 | 56 |
| 17. Andrew Johnso | Rep. | N. C. | 1808, Dec. 29 | 1865 | 56 | 1875, July 31 | 66 |
| 18. Ulysses Simpson | Rep. | Ohio | 1822, Apr. 27 | 1869 | 46 | 1885, July 23 | 63 |
| 19. Rutherford Birchard H | Rep. | Ohio | 1822, Oct. 4 | 1877 | 54 | 1893, Jan. 17 | 70 |
| 20. James Abram Garfield | Rep. | Ohio | 1831, Nov. 19 | 1881 | 49 | 1881, Sept. 19 | 49 |
| 21. Chester Alan A | Rep. | Vt. | 1830, Oct. 5 | 1881 | 50 | 1886, Nov. 18 | 56 |
| 22. Grover Cleveland | Dem. | N. J. | 1837, Mar. 18 | 1885 | 47 | 1908, June 24 | 71 |
| 23. Benjamin Harriso | Rep. | Ohio | 1833, Aug. 20 | 1889 | 55 | 1901, Mar. 13 | 67 |
| 24. Grover Cleveland | Dem. | N. J. | 1837, Mar. 18 | 1893 | 55 | $\text { 1908, June } 24$ | 71 |
| 25. William McKinley. | Rep. | Ohio | 1843, Jan. 29 | 1897 | 54 | $\text { 1901, Sepi. } 14$ | 58 |
| 26. Theodore Roosevelt | Rep. | N. Y. | 1858, Oct. 27 | 1901 | 42 | $\text { 1919, Jan. } 6$ | 61 |
| 27. William Howard T | Rep. | Ohio | 1857, Sept. 8 | 1909 | 51 | $\text { 1930, Mar. } 8$ | 72 |
| 28. Woodrow Wilson | Dem. | Va. | 1856, Dec. 28 | 1913 | 56 | 1924, Feb. | 67 |
| 29. Warren Gamaliel Harding | Rep. | Ohio | 1865, Nov. 2 | 1921 | 55 | 1923, Aug. 2 | 58 |
| 30. Calvin Coolidge | Rep. | Vt. | 1872, July 4 | 1923 | 51 |  |  |
| 31. Herbert Clark Hoover | Rep. | Iowa | 1874, Aug. 10 | 1929 | 54 |  |  |
| 32. Franklin Delano Roosevelt | Dem. | N. Y. | 1882, Jan. 30 | 1933 | 51 |  |  |

## RELIGIOUS AFFILIATIONS

Friends (Quakers)-Hoover.
Episcopalians-Washington, Madison. Monroe, Gen. W. H. Harrison, Tyier, Taylor, Plerce, Arthur, F. D. Roosevelt.

Presbyterians-Jackson, Polk, Buchanan, Cleveland, Benj. Harrison, Wilson.

Methodists-Johnson, Grant, McKinley.
Unitarian-John Adams, J. Q. Adams,

Reformed Dutch-Van Buren, T. Roosevelt. Baptist-Harding.
Congregationalist-Coolidge.
Disctples-Garfeld.
Jefferson and Lincoln did not ciaim membershlp in any denomination. Hayes attended the Methodist Church, but never joined.

## ANCESTRY

Swiss-Hoover
English-Washington, J. Adams, Madlson, J. Q. Adams, W. H. Harrison, Tyler, Taylor, Fllmore, Plerce, Lincoln, Johnson, Grant, Garfield, Cleveiand, B. Harrison. Taft, Harding, Coolidge.

Welsh-Jefferson (a famlly tradlition)
Scotch-Monroe, Hayes.
Scotch-Irish-Jackson, Polk, Buchanan, Arthur, McKlnley, Wilson.

Dutch-Van Buren, T. Roosevelt, F. D. Roosevelt.

The following Presidents were lawyersJ. Adams, Jefferson, Madison, Monroe, J. Q. Adams, Jackson, Van Buren, Tyler, Polk. Flllmore, Pierce, Buchanan, Lincoln, Hayes, Garfield, Cleveiand, B. Harrlson, McKlnley, Taft, Wllson, Coolldge, F.D. Roosevelt.

Washington was a planter and surveyor; Andrew Johnson, a tallor; Hoover, a mlning engineer.

## SESSIONS OF THE CONTINENTAL CONGRESS

Phlladelphla, Sept. 5, 1774, to Oct. 26. 1774; May 10, 1775 , to Dec. 12, 1776.

Baltimore, Dec. 20, 1776 to Mch. 4,1777.
Philadelphla, Mch. 4, 1777, to Sept. 18, 1777.

Lancaster, Pa., Sept. 27, 1777, to Sept. 27, 1777.

York, Pa., Sept. 30, 1777, to June 27, 1778.

Phlladelphla, July 2, 1778, to June 21, 1783.

Princeton, N. J., June 30, 1783, to Nov. 4, 1783.

Annapolls, Md., Nov. 26, 1783, to June 3,1784.

Trenton, N. J., Nov. 1, 1784, to Dec. 24, 1784.

New York Clty, Jan. 11, 1785, to Nov. 4 , 1785 ; Nov. 7,1785 , to Nov. 3, 1786 ; Nov. 6 , 1786 , to Oct. 30,1787 ; Nov. 5,1787 , to Oct. $21,1788$.

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CINNAMON
NUTMEG

CREAM of TARTAR
WHITE PEPPER
ALLSPICE

MUSTARD
CLOVES
PIMENTO

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## 1933 hath 180 school days．



When Duty whispers low＂Thou must，＂
The youth replies，＂I can．＂
－Ralph Waldo Emerson．

Features，Holidays，Etc．
Chandler＇s Calendar

Jan． 2 Xmas vacation ends．
Jan． 20 Fornm Spaker Cool Garroll J ．sisan， Feb． 17 Falentine 引larto．Ansichol Feb． 22 Washington＇s Birthday，No ：icinool Mar 17 Annal Senior Prom，In this day

 Apr． 13 Closing Exercises of Evenilng Apr． 14 Forum Speaker | Presidinut F ．P．Speare， |
| :---: |
| Northeastern Unve | Apr． 19 Patriots＇Day．Northeast

Apr． 22 Alumaz Liruniom．${ }^{\text {Copiey Piaza }}$ Ilotel． May 30 Memorial Day，No school
June 16 Class 耳ay．Coinmencement Dance June 20 Graduation Exercises，Theatree，Bosto June 21 No More Cla Theatre，Boston． June 21 No More Classes sept． 11 ． July 5 Applications for Admission $\begin{gathered}\text { Soning in } \\ (5 \text { to } \\ \text { sin } \\ \text { an }\end{gathered}$ Aug． 1 Visitors at School．More Appications． Sept 4 Labor Day，A day of rest
Sept．11 School Opens forth it＇s．
Sept． 22 タrquaintance 推arty．
Sept． 25 Registration and Opening of Evening Oct． 9 Election of Student Council
Oct． 12 Elums $\begin{aligned} & \text { Members．} \\ & \text { Clases }\end{aligned}$
Oćc． 12 Columbus lay，No Cliasses

Nov． 11 Armistice Ray，No School
Nov． 30 Thanksgiving Day，A three－day
Dec． 22 Turas flarty． $\begin{gathered}\text { vacation starts } \\ \text { today．}\end{gathered}$
Dec． 25 ※ flerrv Cbristmas to $\mathfrak{A l l}$ ．

In this year of stress a business education for a New England girl is particularly desirable．

For fifty years the Chandler School of Business has successfully trained and placed in desirable po－ sitions thousands of the finest types of New England girls．

The Chandler School has a well－ deserved reputation throughout New
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1．Its high standards．
2．The success of its graduates．
3．Its most modern and complete methods of instruction．
4．Its faculty and equipment．
5．The personnel of its pupils．
6．Its extra curricula activities．
Therefore：－
1．A Chandler School training is an asset for life．
2．A Chandler School training is to business what＂sterling＂is to silver．
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2．Stenographic，executive and cultural courses．
3．An enjoyable school term in pleasant surroundings with delightful associations，com－ bined with all unequaled training for a successful sec－ retarial career．
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and
I-CAR-DE Sandwich Spread
I-CAR-DE Old-Fashioned New England Piccalilii
I-CAR-DE Italian Style Spaghetti in glass jars are just as delicious as I-CAR-DE Mayonnaise

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Dorchester, Mass.

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Over 130,000 Satisfied Owners in New England
$\qquad$
Write

## LYNN PRODUCTS COMPANY


or
See the Lynn Dealer in Your Town


## YE OLD BEAN POT

I cannot tell what Vitomins within this pot are found, Or just how many Calories may be reckoned to the pound; But well I know its merits and loud its praise I sing, Fo.. it's a dish that is quite fit to set before a king!

| 5 | Legal Holidays d Bean Nights | A Famons New England Tradition |
| :---: | :---: | :---: |
| Jan. | Celebrate New Year's Day on Mon. day, January 2nd-serve ${ }^{\text {B }} \& \mathrm{M}$ Baked Beans four Saturdays. | In early Puritan days, cooking was strietly forbidden on the Sabbath- |
| Feb. | Washington's Birthday, Wednes- das, February 22nd. Also four B \& Bean Saturdays. | Which began at sundown saturday, and 1Puritan housewife baked beans all day Saturday, served them in the evening |
| Mar. | 31 days without a holiday, alas and alack! \& \& M Baked Beans very much appreciated this hoti- day-less month. | Sunday. <br> Of all the Puritan influences which are popularly supposed to have fas- |
| Apr. | $\begin{aligned} & \text { No holidays this month (except } \\ & \text { April 19th in Maine and Mass.) } \\ & \text { but one extra Bean Night, five } \\ & \text { Saturdays in all. } \end{aligned}$ | tened themselves on New England, the Saturday baked bean supper is un- questionably the most lasting and questionably widespread. |
| MAY | $\begin{aligned} & \text { Decoration, or Memorial Day } \\ & \text { Tuesday, May } 30 \text { th. Serve B \& in } \\ & \text { Oven Baked Beans every Saturday } \\ & \text { night. } \end{aligned}$ |  |
| June | No holidays. Summer begins June 21st. The 3rd, 10th, 17th and 24th are B \& M Bean Nights. | rows and rows of old-fashioned brick orens, B \& M New England Oven Baked Beans are baked for you, in |
| July | Tuesday, July 4th, is Independence Day. And July has 5 Saturdays 5 B \& M Baked Bean Nights. | til they are ready for you to eat, are they sealed in tins. |
| AUg. | No legal holidays this month, but this is vacation time anyhow-so who cares? Ii \& Means are great summer camp supper treats. | Ask your grocer for B \& M New this delicious dish a regular feature of your menu, either as the "Saturday. night baked bean supper" of Old New |
| Sept. | Labor Day is a funny name for a holiday. It comes on Monday, September 4th. "30 days hath Sep-tember-" and 5 Saturday Bean Suppers, too. | England times, or a substantial and hearty meal for any day in the week. <br> BURNHAM \& MORRILL COMPANY |
| Oct. | Columbus discovered America on October 12th-so we get a holiday. You can't discover finer flavor than that of $B \& M$ Oven Baked Beans. | Portland, Maine |
| Nov. | Armistice Day, Saturday, Novem- ber 11th; Thanksiving, Thursday, November 24th. Also 4 B 8 M Bean Saturdays. |  |
| Dec. | As a Christinas (Monday, Decem- ber 25th) gitt, Santa Claus brings 5 Saturdays this month-one ex- tra B \& M Bean Night. | The Sign of Good Foods |

## A $\boldsymbol{F}_{\text {For Tonar - Tomosenow }}^{\text {AITHFU }}$

 Next Month-and Next Year(A)LTHMOREPOULTRY, DAIRY and STOCK FEEDS

Brind ereater satisfaction and better profits to the user.

These New England-Made Feeds stand the test of time - and are constantly beind improved and perfected. You can rely on them for superior results.

## SENT FREE ON REQUEST

TO POULTRYMEN: 1933 edition of valuable booklet"Timely Topics on Poultry Management." Also e $\dot{z} \dot{\varepsilon}$ record card and plans for building poultry houses and equipment.

TO DAIRYMEN: Milk record sheets - 10 or 25 cow size, also interesting leaflets describin\& Wirthmore Dairy Rations.

ST. ALBANS GRAIN CO., St. Albans, Vt.

No Wonder Folks are Going Back to

## Good

## Old-Fashioned New England "Grub"



Sure, some of the fancy new dishes are all right but they can't take the place these days of plain, hearty food, cooked the good, old-fashioned way.

Any man, woman or kid who ever tasted hash made by the old New England recipe, relishes Prudence Corned Beef Hash like a new-found friend, with a thrill that is gratifying to see.

Piping hot, savory, crusted a golden brown, Prudence Hash wins you before the first bite and continues to satisfy every whim of appetite, every need of nourishment.

Only young, tender beef is used - no scraps, no skin, no gristle. Mealy, white Aroostook potatoes are boiled in the same water as the meat; but separately, after the meat has been removed and the pot skimmed of fat. You've simply got to taste Prudence Hash to realize the difference.

Costly? We should say not! - a big, husky serving for six cents. Hard to prepare? Why, all you do is open the can and brown the hash in a frying pan; takes three minutes.

Maybe you have never tasted good, old-fashioned Corned Beef Hash. Well, there's a treat waiting for you at just about every grocery store. Only remember this: There's as much difference in brands of hash as there is in kinds of people; so be sure you get Prudence.

## Boston Food Products Company Boston <br> PRUDENCE

Ready-to-Brown CORNED BEEF HASH
P. S.-And Prudence Beef Stew and Lamb Stew are just as good as Prudence Hash.

## New England Made

For many years the standard for quality finishes for the home


Varnishes - Paints - Enamels

Modern, quick dryin\& waterproof and all possessind that wonderful quality

SELF SMOOTHING


Book in Colors - FREE

If you do not use Kyanize Finishes, send for this beautiful book. It's FREE

## Boston Varnish Co.

Everett Station BOSTON : MASS.

## buinettes

## a New England

## kitchen favorite since 1847

## GOES MODERN IN DRESS



Since 1847 only one change has taken place in the famous Burnett Flavor－ ing Extracts．That change is a new， sturdy bottle．The new bottle is built so that it will not tip over easily． Amber glass is used because it protects against harm－ ful light rays．This better bottle contains a full amount of the delicious pure extracts that women have used with confidence for nearly a century ．．．Burnett＇s！
者 者 竞

If you haven＇t a copy of＂Doubly Deli－ cious Desserts＂we will gladly send you one for 10 cents．It is an unusual collection of tempting，easy－to－prepare desserts．Write for your copy today．

## JOSEPH BURNETT COMPANY

437 D Street－－Boston，Mass．


Look for this new Bur－ nett package at your grocer＇s．

## MINARD'S FIRST AIDS FOR THE HOME.

For a lundred and forty years, since the days when our country was young, readers of The Old Farmer's Amanac have turned to this publication for accurate and anthentic information.

For eighty of those years, generation after generatiou of New England people have found in Minard's Liniment a reliable help for many of the physical problems that are so commou to humanity.

MINARD'S LINIMENT has become a household tradition as a First Aid in the treatment of all museular aches and pains, stiff joints, backache, rhemmatic pains, neuralgia, bruises, sprains, headaches, frost bite, tircd and burning fect. It has also been proved an illeal remedy for sore throat and colds. When rubbed in and inhaled, its soothing effeet is immediate. Ninard's Liniment is supplied in small, medium and large bottles.

Although Miuard's Liniment was the fondatiou of the business of the famous old Minard Company, of Framingham, Massachusetts. other products of cqually fine reputatiou and quality have from time to time come along to meet the needs of the peoph as those needs grew and multiplied with the progress of New England's history and civilization.

MINARD'S ANTISEPTIC MOUTH WASII AND' GARGLE. This is unexeclled as a mouth wash, deudorant aud throat gargle. It is a certain preventative-safer, more powerful ant less expensive. Removes the cause-sweetens and purifiss the breath. Use full strength or dilute with one part water for minor throat irritations, mouth wash. bad breath, hoarseness, sunburn, abrasions, insect bites, burns or euts. As a nasal spray dilute with two parts water and use with atomizer. For children dilute with one part water. Minard's Antiseptie can be used freely in all natural cavities of the body as a lotion or spray. Minard's Antiseptie Mouth Wash and Gargle comes iu 16 ounce, 8 ounce and 3 ounce bottles.

MINARD'S INHALANT. This is a safe First Aid in the treatment of head eolds. Scientists have proved that one cause of folds is something smalier than a germ that enters the nostrils on particles of dust. They harc also proved that these particles of dust may be discouraged by the use of Minard's Inhalant. The result is another cold avoided. Apply the Inhalant to a folded handkerchief and inhale frequently throughout the day, breathing deeply of the vapor. Also apply to pillow or elothing. Nany mothers sprinkle a few drops on their children's blouses as they start for sehool. Thus the little folks breathe this pleasant and protective vapor all day long. Minard's Inhalant is supplied in 2 ounce and $1 / 2$ ounce bottles.

MINARD'S ATILETES' RUB offers sure and effeetive relief to those who suffer from tired, burning feet aml contains the antiseptic that kills the germ causing the dreaded Athete's Foot. Use for eracks nuder the toes, simple ringworm, lame muscles, muscular stiff neek, sprains, bruises. burns, superfieial congestion. insect bites or stings. This Minard's First did product mar be used freely as a rub, best results being obtained after a hot bath. It is indispensable for those engaging in athletic sports. Minard's Athletes' Rub is supplied in 16 ounce and 3 ounce bottles.

MINARD'S ALKOBALMI. This well known Minard First Aid product provides a wonderiully refreshing and invigorating massage. It is delightful ior hase as : rulbdown after bathing and is a favorite for both home and hospital use being highly recommended by nurses everywhere during ilness and convalescence for its eooling and invigorating qualities. Minard's Alkobalm, a rubbing alcohol, is supplied in 16 ounce and 6 ounce bottles.

Other members of the famous Minard family, the uses of which are known to all, we Minards IBAX RUML, sumpied in 16 ounce and 4 ounce hottles-Minard's EAU DE QUININE (hair tonic), with sprinkler top in 8 ounce hotthes-Minard* RUSSIAN MINERAL OIL, iu 16 ounce and 32 ounce bottles-Minaris WiTCII 1AAZEL in 16 ounce and 4 ounce bottles and Minard's MILK OF MAGNESIA in 16 ounce and 4 ounce bottles.

Members of the Minard's famils of First Aid products are on sate by all leading demlers. Minard's ANTISEPTIC MOUTI WASFI ANO GARGLE, Hinard's Atillertes' RUR and Minard's inhalant may be hat in generons 10e sizes at the following ehain stores: Woolworth's, Kresge's, Newherry's, Meclellan's, and the F. \& W. GrandSilver Stores. They are also sold in litrger sizes at drug and department stores.

Tor infommiom desiced ectative to any of its First Aid products for the home, yur are invited to write to the MINARD COMPANI, FRAMINGHAM, MASSACHUSLETS, U. S. A.

## $W_{\text {hen you're }}$



BOUND!

## hotel Brunswick

## Hotel Lenox

on either side of Copley

## Square

Two famous Back Bay hotels that offer you pleasant convenience of location and moderate living costs with complete and cordial hotel service!
A wide variety of dining rooms and restaurants. . . from the Brunswick Coffee Shop and Lenox Spa to the new Egyptian Room dinner-dance entertainments!

Room with bath: Single $\$ 3-\$ 4.50$ - Double $\$ 3.50-\$ 7$. Room with running water: Single $\$ 2.50-\$ 3-$ Double $\$ 3-\$ 3.50$. Special year'round offer- $\mathbf{3}$ days and 2 nights, including best outside rooms, private bath, 6 meals, Egyptian Room entertainment and theatre or sightseeing tour-all for $\$ 10$
L. C. PRIOR, President and Managing Director

## HOME HEATING HINTS

Families wbo bave never uscd New England Coke before find that it not only costs less per ton but also less per season, because of its higb carbon content and consequently greater number of heat units per pound.

It's more economical to keep the firebox filled than to run a low fire. This is especially true of Now England Coke, which gives greater heating satisfaction and comfort and lasts longer if tbe firebox is filled above the level of the door.

Why sift ashes? New England Coke leaves about a barrel of ashes to the ton, and these are not worth sifting . . . another proof that this fuel is economical.

Even the little ash which New England Coke leases slionld, however, be removed regularly. You will find with this or any fuel that the more room there is for air to circulate under the firebox, the greater efficiency you will get from your heater. The use of New England Coke means that ash removal is "necessary much less frequently."

Because there is so little ash, you will find in using New England Coke that the fire needs to be shaken only once in every 24 bours, and then very gently.

Because New Fngland Coke is as nearly a pure fuel as science can devise, there are no impurities to cause soot, smoke or dust. This, together with the fact that New lingland Coke leares so little ash, makes this a CLEAN fuel.

That New England Coke is so clean is due in part to its structure-that is, its hard, firm character which results in freedom from breakage and dust. The most important reasons, however, lie in the care with which the "raw" fuels wbich go into New England Coke are first selected and then processed.

Housewives especially like New England Coke for its cleanliness because it does away with the irksome tasks of launderiug aud housecleaning which a less carefully manufactured fuel necessitates. And in those homes where women prefer to take care of the heater, users of New England Coke find its cleanliness as well as its lightness and ease of handling welcome indeed.

You'll be surprised at the littlc attention required. A New England Coke fire normally needs attention only once each morning and night. And it's so easy to run a leater with this superior fuel! There are only three simple rules. Fill the firebox full, use less draft than is necessary for other solid fuels and shake gently.

A primitive kind of coke was made by tbe Chinese as loug as 2000 years ago. Today, benefited by centuries of scientific adrancement and experimental research, man is able to make an immeasurably superior product. Iet even today there is a big differencc between cokes. New England Coke is made in the largest domestic coke plant in the world, and every pound of New England Coke is the result of carefil, scientifically controlled manufacturing processes.

Because there is so much difference between New England Coke and inferior products, New Fingland Coke dealers place a little seal on your delivery ticket certifying that the fuel you have received is genuine, GUARANTEED New England Coke.

Every ton of New England Coke that is sold is guaranteed to give complete satisfaction. And every purchaser of New England Coke is entitled to a free demonstration of the proper methods of firing this fuel. If after such a demonstration, the customer is dissatisfied for any reason, the remaining fuel will be removed without charge and his money will be refunded.

Whaterer type of heater you may hare, you'll find tbat New England Coke will heat your home efficiently and economically. It will maintain a steady flow of heat for the warm air or hot water heater as well as "get up steam" quickly in a steam heater.

There are sizes of New England Coke for all types of heaters. Sour fnel dealer will advise you which one to use for the best results in your heater.

New England Coke is definitely a New England product. It is not only made in New England by New England labor, but it is made especially for the best results in New England homes. New England weather does shift from one extreme to another, and New England Coke is manufactured with this in mind. This fuel is quickly responsivc to the demands of sudden changes, yet gives a steady, even heat under all conditions.

There are hundreds of fuel dealers all over New Fngland who have been appointed authorized distributors of New England Coke. These dealers all display the familiar blue and white New England Coke shield. Jook for this emblem in buying your fuel.

If you don't know where yon can buy New England Coke, the GUARANTEED fuel, in your ncighborhood, write or telephone to the New Eugland Coke Company. (See opposite page for address and telephone number.)

## Nay <br> Economical Less Ash Cleaner More Meat Guraranteced

Made in New England by New England Labor for New England Homes. Sold all over New England by Authorized

Dealers. Look for the blue and white shield.

NEW ENGLAND COKE COMPANY 250 Stuart Street, Boston, Mass. HUBBARD 4670

## Not quite as old as the Old Farmer's Almanac

-but a favorite for one hundred years

The Breakfast Table Paper of New England

By reading the Boston Post every day you get the news and features that over 400,000 readers find they cannot get along without.

Any Newsdealer will provide the Post for you regularly, or you may order it direct from the Boston Post for 50c a month, or $\$ 5$ a year, either Daily or Sunday.

## For over 50 years

## Glenwood

 the famous New England range has made cooking easier in countless homes

If you burn coal, gas, oil or wood for cooking and heating there's a Glenwood RANGE or HEATER made for you at a price to fit your pocketbook

See them at the authorized Glenwood Dealer - or write to Glenwood Range Co., Taunton, Mass., Boston office 60 Union Street

IT PAYS TO OWN A GLENWOOD

# Boston Transcript Almanac for 1933 

(Published as a Guide to Intelligent and Entertaining Reading During the Next Twelve Months)

## JINUARY

SNOW. Our City Editor is Snowed Under With City Activities at Their Height and Typewriters Ilumming With Humor, Gossip and Significant Discussion.

## FEBRUARY

TIIATY. Our Fashion Editor Thaws Out With the Groumr Hog to Forecast What the Well Dressed Wroman Will Be Wearing Next Spring.

MARCH
WIND. Our Editorial Writers Glory in This Month by Taking the Wind Out of Political Chatter to Make It Informing and Interesting.

## APRIL

SHOWERS. Our Real Estate Editor Enjoys This Month Providing Places to Visit Between Showers.

MAY
BLOSSOM TIME. Social Erents Rival Flowers in Rlossoming at This Time of Year and Our Suciety Editor Works Over Time to Keep You Informed On Who Will Be Whose Bride Next Month.

## JUNE

RARE DAYS. Our School anrl College Department Hustles All Over New England Handing Out Diplomas.

## JULI

HOT. Our Out-of-Town Correspondents Tour Vacation-Land to Find the Cool Spots Where Sour Friends Are Enjoying Themselves.

## AUGUST

DOG DAYS. Our City Editor Goes Out to Find the Dog While Our Magazine Editor Provides You With Light Entertaining Features to Take Your Mind Off the Weather.

## SEPTEMBER

LABOR DAYS. Our Trade and Financial Editors Read Charts and Statistics Night and Day to Furnish You an Intelligent I'icture of What the Fall Business Will Be.

## OCTORER

INDIAN SUMDER. Our Sports EiTitor Works Saturday Afternoons to Give Lou the Usual Sunday Accounts Saturday Evening.

## NOVEMBER

COLD' Our Music and Drama Editor Keeps Tou Supplied With Enough Entertaining Feading So You Can Stay Inside ant Escape the Chilly Air.

## DECEMBER

BLIZZARDS. Our Book Efitor Sorts Out the Fall Blizzard of Books and Shows You What You Will Want to Read Yourself and What You Will Want to Give Your Friends for Christmas.

## EVERY MONTH

AND EVERY WEEK For that Matter, The Boston Erening Transcript provides you with these and many other features, including two long-tiue favorites, The Churehman Afield and The Genealogical Department. Above all, it provides you with accurate and comprehensive news that is not only informative, but delightful reading.

## Have you tried -

# A G R <br> .co 

## An improvement in fertilizers backed by 75 years of experience

For 75 years The Ameriean Agrieultural Chemieal Co., has been making fertilizers in New England, especially adapted to the needs of New England's erops, soils, and short-growing scason. Its Bowker, Bradley, E. Frank Coe and A. A. C. brands are well known to three generations of New England farmers.

Reeently, after years of researeh and eareful field tests, The Ameriean Agrienltural Chemieal Co., offered a new brand of fertilizer ealled Agrico. The immediate success of Agrieo exeecded all expectation. Now, wherever erops are grown, farmers are ehanging to Agrieo.

Farmers are ehanging to Agrico beeause they are getting better erops with Agrieo. And here's why. Agrico contains extra plant foods that provide extra crop-producing power.

Agrieo has the same high quality and good meehanieal condition that made the other "AA Quality" Brands so popular. And in addition to the usual amount of nitrogen, phosphorus and potash found in these standard grades of fertilizer, Agrieo brings to the erop, new, important, health-giving, plant-food elements that have long been needed. Agrieo is trmly a real improvement in fertilizers-a step forward in the seienee of plant feeding.

If you haven't used Agrico yet, try it this coming season on at least a part of your erops and see the differenee it ean make. Remember Agrieo is made only by The Ameriean Agrieultural Chemieal Co. and there's a brand especially made for each erop.


Consult your nearest "AA Quality" Dealer. Or write to us concerning your soil and fertilizer problems.

Read the only general Farm $\mathcal{M}$ Magazine for New England rural folks

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NEW ENGLAND HOMESTEAD, Springfield, Mass.

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## What Is MOXIE?

Moxie is a pure, refreshing, wholesome, distinctively different, carbonated beverage originally made in New England nearly fifty years ago and now rapidly extending its field of distribution throughout the United States and to foreign lands.

It is a healthful, beneficial, thirst-quenching drink, which refreshes and invigorates delightfully and quickly.

Every bottle of Moxie contains more than eighteen separate and distinct elements. Each one of the beverage ingredients is wholesome and of purest quality; compounded, blended, thoroughly aged and bottled under carefully supervised hygienic conditions by the most' modern methods.

Doctors, chemists, pure food experts and dietitians are not only regular users of Moxie, but also constantly suggest its use by others, because Moxie is a complete, satisfying and effective thirst-quencher in itself. The scientific blending of woodland herbs and roots produces an aromatic tang and a delicious sweet-bitter taste, which is unique and distinctive.

Public speakers, opera singers, theatrical stars and athletic champions have found Moxie lefreshingly helpful, very soothing and re-vivifying in the course of their most strenuous efforts.

Quality and Purity have always been and shall ever be the predominating policies in the production of Moxie.

Artistic labels, gold foil and fancy packages are not necessary to attract Moxie customers. The plain Moxie bottle has been the insignia of quality for nearly fifty years and is our and your continuing assurance of genuineness.

Ask for Moxie at your neighborhood store. Serve it to your family and your house guests. It' has a new taste-thrill, the thrill of a famous flavor that whets the appetite and satisfies thirst. It is distinctively different.

Ask any one of the millions of children, grown-ups and granddaddies who are Moxie drinkers why it is that "a case in the cupboard and a bottle in the ice-box" has become a widespread custom. Then you will hear so many nice things about Moxie that further explanation on our part will be unnecessary.

Moxie is a safe drink always, because the high standard maintained in its making guarantees the same uniform purity and quality in every bottle.

Moxie may be obtained at all first-class soda fountains in bottles or instantly prepared by the dispenser from genuine Moxie syrup.

If by chance you have nevcr been favored with a glass of Moxie, may we ask your indulgence now. Take a "two-minute vacation" today with a glass of Moxie at your neighborhood store. Try it again tomorrow. Try it when yout are tired; when you are thirsty. Each glassful of this appetizing bitter-sweet flavored beverage will taste better than the last one. Drink it before meals and with your meals. Serve it when company drops in. Give it to the childrem any time, because Moxie always tastes good and is good for everybody.

We greet you with this message. You will find that our friendly way of doing business and the methods we use in calling attention of the public to the merits of Moxie will be as attractive and as unique as the beverage itself, which for nearly half a century has been first in distribution of all New England beverages. Everybody here knows Moxie intimately.

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FRANK M. ARCHER, Gencral Manager THE: MOXIE COMIANY
Boston, Massachusets

NATIONAL BROADCASTING COMPANY. INC.
$\qquad$
prockam ma
of managers
broadcastino stations
WEZANDWBZA

HOTEL BRADFORO December 1, 1932.

My dear Ferm Friends:
A Connecticut poultryman writes me thet he frequently recolves 30 to 90 cents premium for a case of eggs because he listens to our daily agricultural programs. A Maine farmer finds the potato merket broadcast an important fac. tor in marketing his crop. Hundreds of other letters testify to the value of radio market reports and the practical applicetion of suggestions by our guest speakers.

It does not make any difference whether you have just a fow fruit trees, a backyard garden or a large farm, you can get complete market information and timely suggestions that will mean dollars and cents to youl

These programs are broadcast to you over the New England stations WBZ and WBZA in cooperation with the United States Department of Agriculture and the Departments of Agriculture of the several New England states. They are for the entire farm family. There are two broadcaste gach day for the farmer, a morning program for the homemaker and a weekIf $4-H$ broadcast for the boys and girls.

I am eager to heve these programs of ever-increasing value. Please be sure to call on me whenerer you are in Boaton. Your letters nf comment and suggestion are always appreciated and, of course, we shall be glad to send you a detalled program of our agricultural broadcasts.


Very cordially yours,
Now England Agricultural Progroms

## $\mathbf{A m e r i c a}^{\prime}$ favorite Silver Polish since 1865!



## CANDO Silver Polish

> For more than 68 years, CANDO has safeguarded the family silver.... keeping it bright and beautifulthrougheach successive generation. A soft, creamy paste that removes tarnish and restores lustre-safelyquickly-easily. Unequalled for Silver, Gold, Nickel, Cut Glass, Porcelain and all fine surfaces.
> - and now - to keep your metals gleaming CANDO LIQUID METAL POLISH

Brass-copper-aluminum - wherever there is a dull, unsightly metal surface to restore to brilliant beauty - let Cando Liquid Metal Polish save you time and labor. Works quickly. Requires less rubbing. Gives unfailing results. Unequalled for pipes, faucets and bright work in the home.

Dispel stale, musty, disagreeable odors with Eyptian Deodorizer \& Aerofume

A delightfully fragrant little candle that dispels odors from cooking; fresh paint, smoking, and other sources.


Indispensable in nursery and bathroom. Keeps air sweet and free from taint. Affords comfort and relief in the sickroom.

16 handy little candlesin convenicnt box-complete with holder

## Ask your Jeweler for Cando Pewter Polish

For a brighter, more cheerful home - insist on CANDO products. If your dealer does not stock them - kindly send us his nanie and address.


## A Distinctive New England Organization

A great group of enterprising New England Grocers and Drnggists, - 8,000 of them, - take pride in this Naborhood Store Insignia.

Centered among homes, and identified by this symbol of service and of mutual interest, their stores supply life's necessities, - both food and medicinal, - to their Nabors. Desiring to furnish the products most satisfactory to the families they serve, the progressive grocers and druggists of New England lhave found these producis grouped best among those advertised in New England's street cars and buses.

There, before 96 million riders each month, these products are advertised beside the Naborhood Car Card and the Naborhood Store Insignia. As a result, car-riders, faced, as they alight, by the Insignia on the window and the display in the window, have come to act instinctively upon the three-fold tie-up between

> The Manufacturer's Card in the Cars
> The Dealer's Window Display
> The Dealer's Counter Display
a tie-up, which completes the bond of mutual confidence and business relationship between producer, retailer, and consumer.

Cementing all into unity, are the field men of New England Merchandisers, Inc., anxious to serve and to assist with advice and information. The Naborhood Store's interests are their interests.

We rejoice that the Dual Appeal of Naborhood Car Card and Naborhood Insignia, which was designed to foster this community of interest, has been so outstandingly successful through the years.

## EASTERN ADVERTISING COMPANY

"Car Card Advertising all over New England"



## Heating and Plumbing Supplies



## Pipe, Valves and Fittings

Corrugated Roofing and Siding Conductor Pipe and Gutter
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Tool Steels

## BROWN WALES COMPANY

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Liberty 6100

120 Middle Street Lewiston, Me. Lew. 3160


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Special 3 Years, $\$ 2.00$
12 big issues with over 600 pages a year, packed full of live poultry news and poultry facts. Edited by experts and read by all the alert poultry raisers of New England.

## TO THOSE

## Who Would Read

New England Pouliryman is the trusted teacher of advanced poultry practices in the most advanced poultry raising section of the world.

## TO THOSE

Who Would Advertise New England Poultryman offers its approved advertisers a market place where they can do business with discriminating buyers of quality goods.

We believe that the poultrymen of New England produce the highest quality poultry and eggs that can be produced because they are the best informed in scientific methods. We are proud to have helped them to establish their present leadership.

You, too, can share their knowledge and its resultant prosperity by reading regularly New England Poultrynzan. Send $25 c$ today for trial subscription, bringing you the next 3 numbers priced 20 c each.

New England Poultryman
4 PARK STREET
(Overlooking Old Boston Common)


## Boston Is Famous Along the World's Highways

 for Publishing the First International Daily Newspaper-
## The Christian Science Monitor

In nearly every large city and town in the United States, in England, in France, in Germany, in far off Australia, in remote places in Africa, in fact on all the main highways of the world, you will find regular subscribers and eager readers of THE CHRISTIAN SCIENCE MONITOR.

Out of New England has come this newspaper which "dares to be different," in that it prints only the constructive news of the. world, and refuses to exploit crime and scandal.

Are you, who live in Boston or New England, acquainted with this paper which is fast becoming such an important factor in promoting international good will? Do you know its keen editorials, its March of the Nations column, its features on the best books, art and music of the world? If not, sign the coupon now and begin to read this newspaper.


## PEP UP YOUR PARTY



THIYRE GREAT WITH COCKAILS
THIY CO BIG WITH SOUP
THERE SWEIL WITH CHESE
AMERICA'S FAVORITE WHOLE-WHEAT TREAT !
hammerfd WHEAT THINSIES
NEW SINGLE BITE SIZE NEW SQUARE SHAPE
Theyre Jitiner 200 wis Box Ony $10^{-}$

## IF YOU LIKE CHEESE YOU'L LOVE

NEW EDUCATOR

## TOASTED

 CHEESE THINSFRESH BAKED DAILY FOR 10,000 GROCERS!

EVERY BITEA NEW DELIGHT!

ORIGINAL


NEW GREEN BOX 40 cookies $\bigcirc c$

## Rubber Footwear Calendar

JANUARY-Snow. Bad month fcr COLDS. The whole family needs zealters. Ask for FIRESTONE. Also rubber boots for your FARM WORK.

FEBRUARY-Snow. Beeinnine to thaw. Rubber boots by FIRESTONE essential. Rub. ber zalters for the whole family, to keep their feet WARM and DRY,

MARCH—Slush, mud. FIRESTONE Farmstersfor FARM WORK. Keep the eaiters handy. As the eround bezins to zet a little drier, zet FIRESTONE rubbers.

APRIL-Showery. It doesn't pay to zet the feet WET. FIRESTONE light rubbers just the thind for the whole family. Fishine season opens. See pazes 55,56 . SeealsoFIRESTONE fishine boots.

MAY-Sunny days. Canvas shoes for the yound people now in order. Best value made by FIRESTONE.

JUNE-Warm days, Now everybody needs canvas shoes. Deb Sandals for the girls and women. Best style and value by FIRESTONE. FIRESTONE tennis shoes in order.

JULY-Hot days. Deb Sandals by FIRESTONE wanted by everybody. Canvas shoes for the CAMP. Also FIRESTONE footholds for showery days.

AUGUST - Even HOTTER. Deb Sandals by FIRESTONE. New canvas shoes for the boys.

SEPTEMBER-Cool days. School opens. New canvas shoes for school boys and kirls. Also special FIRESTONE eym shoes.

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[^0]:    D-Day time; LS-Local sunset; LT-Limited time

